ATLANTE DI MACCHINE A VAPORE E FERROVIE CON LEGGENDA AD...

Agostino Cavallero

ATLANTE

DI

MACCHINE A VAPORE E FERROVIE

CON

LEGGENDA,

ad uso particolarmente degli Allievi della R. Scuola d'applicazione per gli Ingegneri in Torino, utile anche agli Allievi delle altre scuole analoghe del Regno, agli Ingegneri meccanici, agli Ingegneri del materiale e trazione delle strade ferrate ed agli Allievi della Sezione di meccanica degli Istituti tecnici e professionali.

OPERA COMPILATA DALL'

Ingegnere AGOSTINO CAVALLERO,

PROFESSORE ORDINARIO DI MACCHINE A VAPORE E FERROVIE DELLA R. SCUOLA D'APPLICAZIONE PER GLI INGEGNERI IN TORINO E MEMBRO DELLA COMMISSIONE GOVERNATIVA PER L'ESAME DEI MACCHINISTI E DEL MATERIALE DELLE FERROVIE DELL'ALTA ITALIA.

colla collaborazione de' suoi Allievi.

SECONDA EDIZIONE

interamente rifusa, ridotta al corrente degli ultimi perfezionamenti e corredata di un indice alfabetico-terminologico colle voci corrispondenti nelle lingue francese, tedesca ed inglese.

Due volumi in-8 grande, l'uno di testo a doppia colonna, e l'altro di 71 tavole litografate.

VOLUME II — TAVOLE.

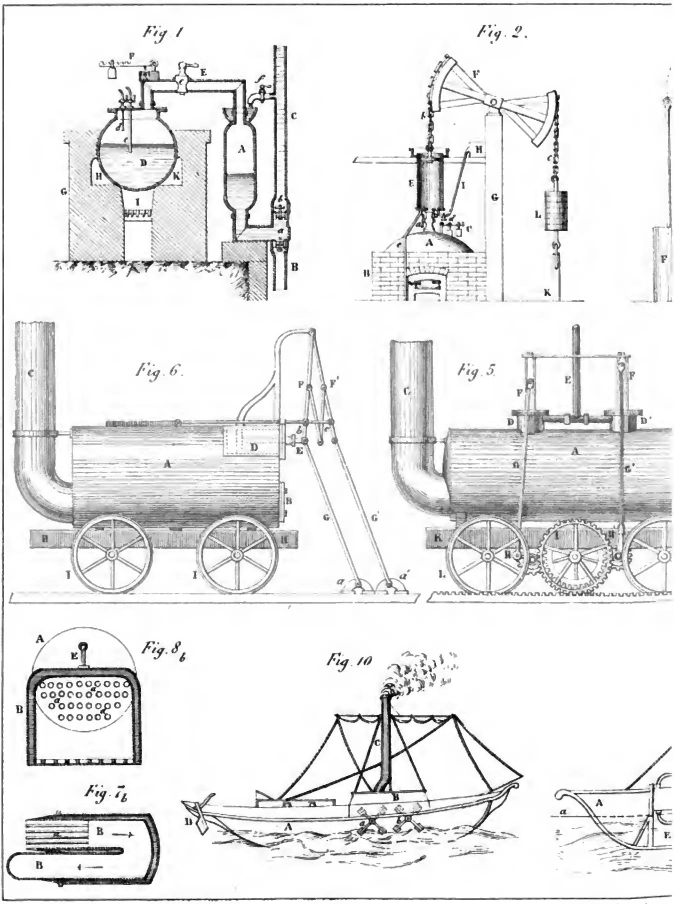
TORINO

LITOGRAFIA PIETRO BRIOLA EDITORE

Via S. Francesco d'Assisi, 22.

1870

INDICE DELLE TAVOLE



Ascari Giuseppe diseg

Torino Lit P Briola via

Fig. 3.

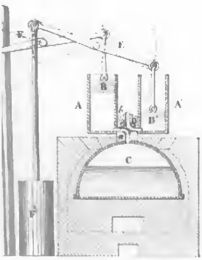


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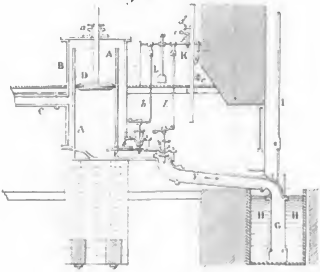


Fig. 7a

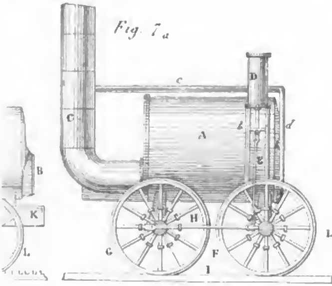


Fig. 8a

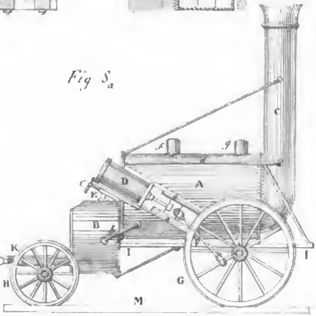


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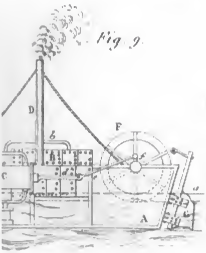
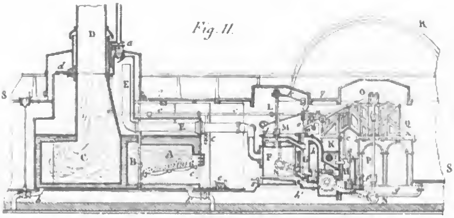
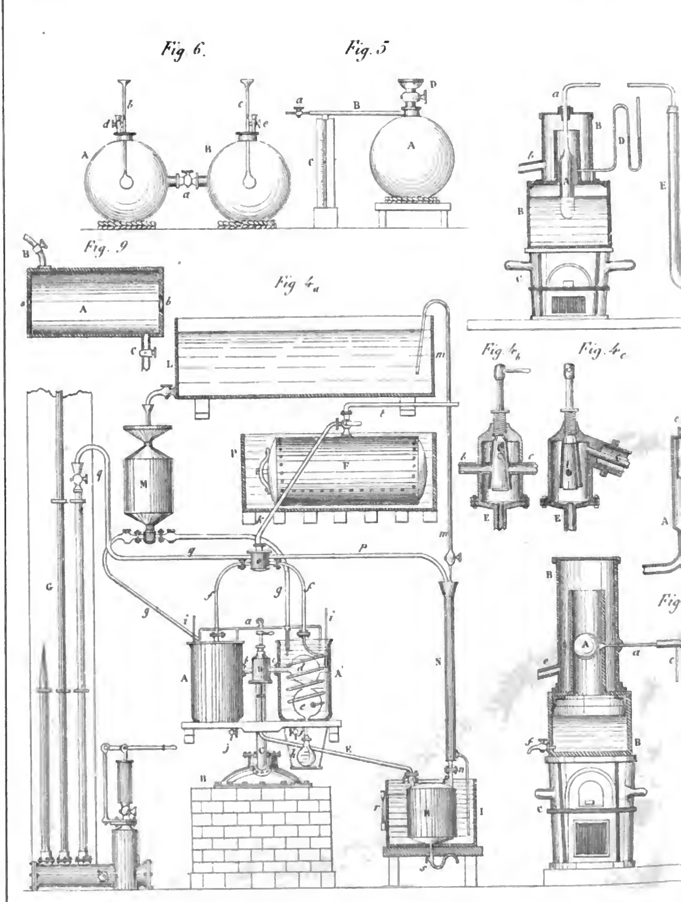


Fig. 11.

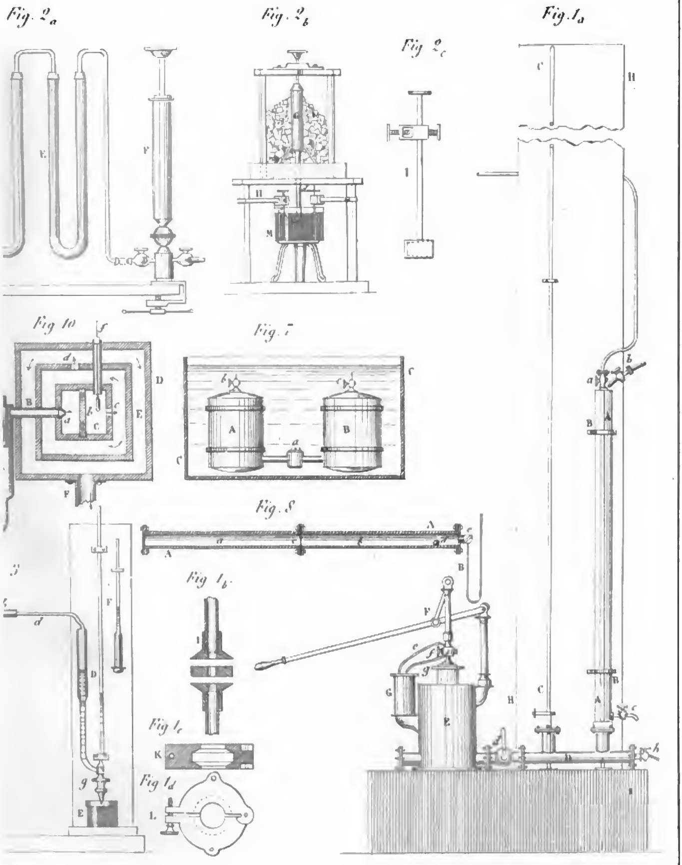


APPARECCHI RELATIVI ALLO STUDIO DELLE

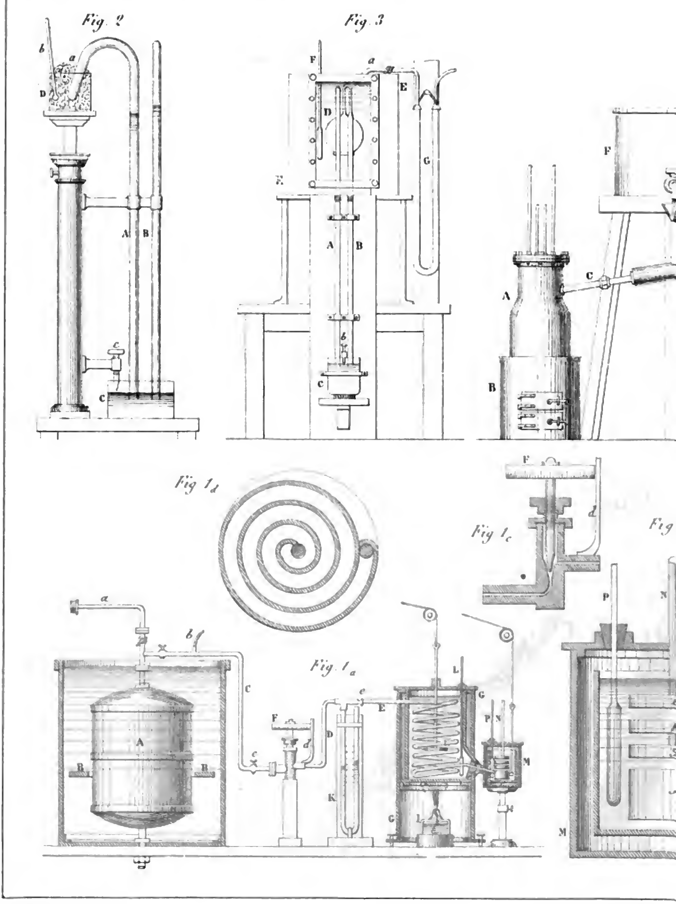


Giulio Franco ed.

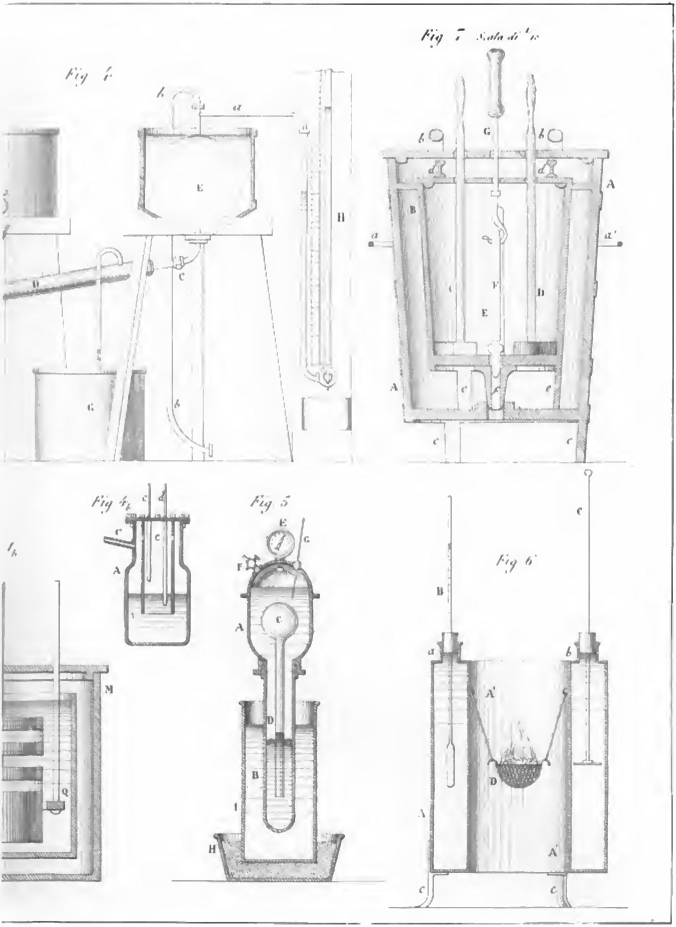
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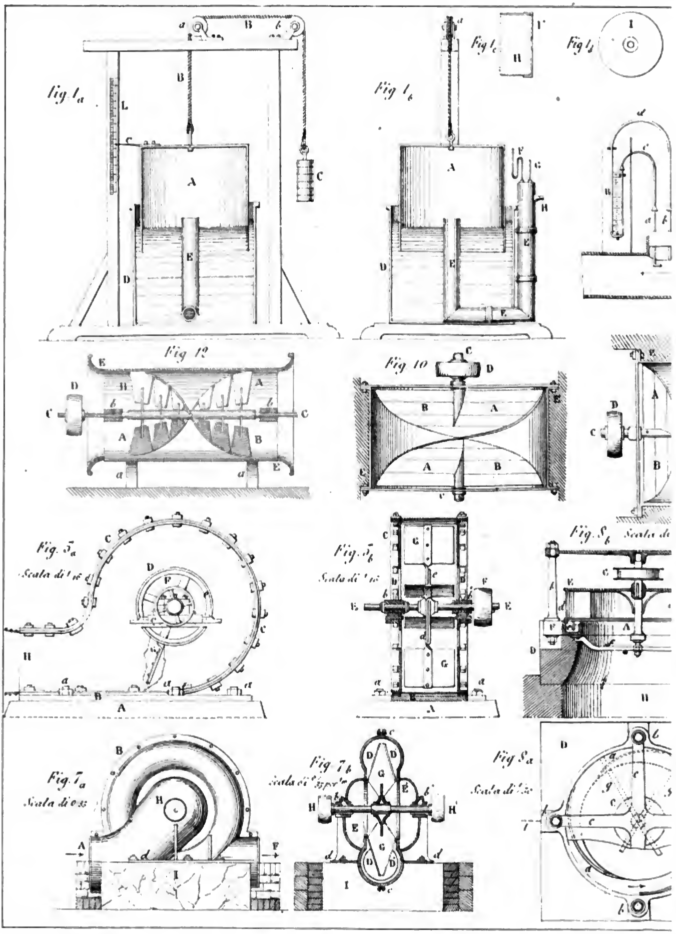


... Francesco d'Assisi, 22. G. Quaranta Autog.

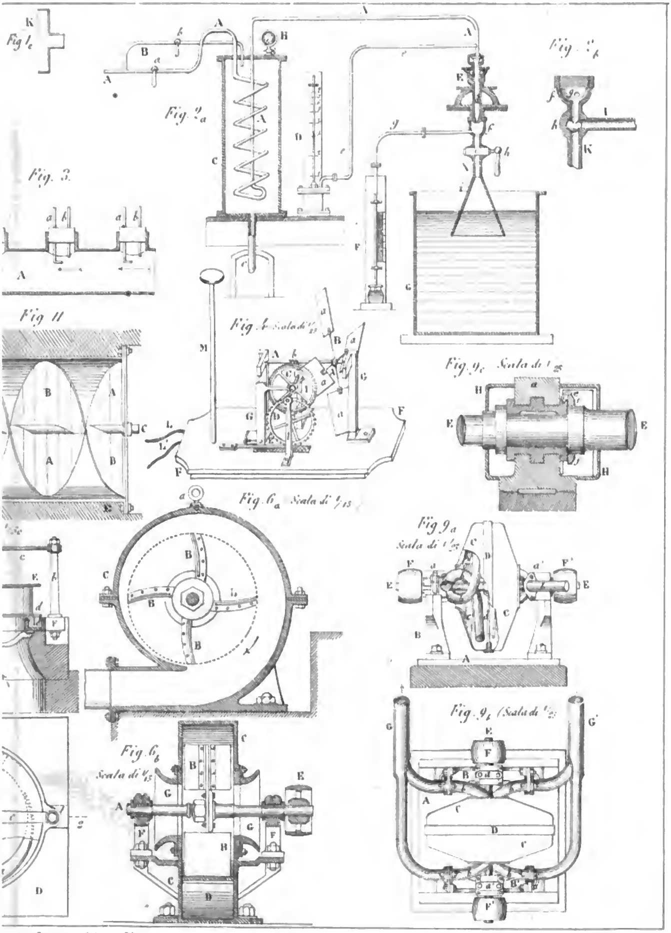


Viappiani Antonio dis
Torino Lit P Briola via

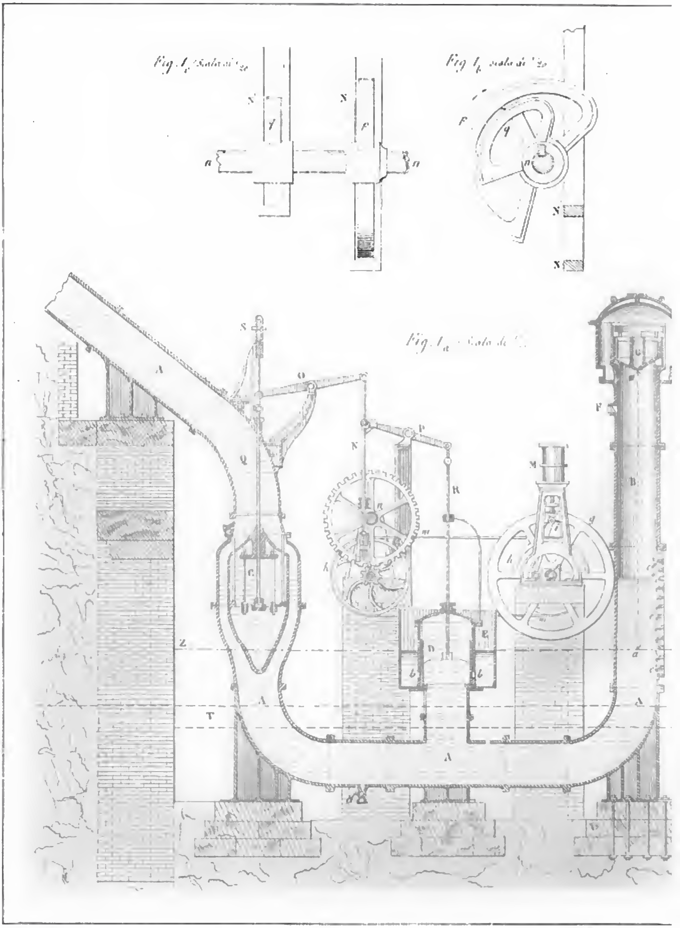

Fig. 7
Fig. 4
Fig. 5
Fig. 6

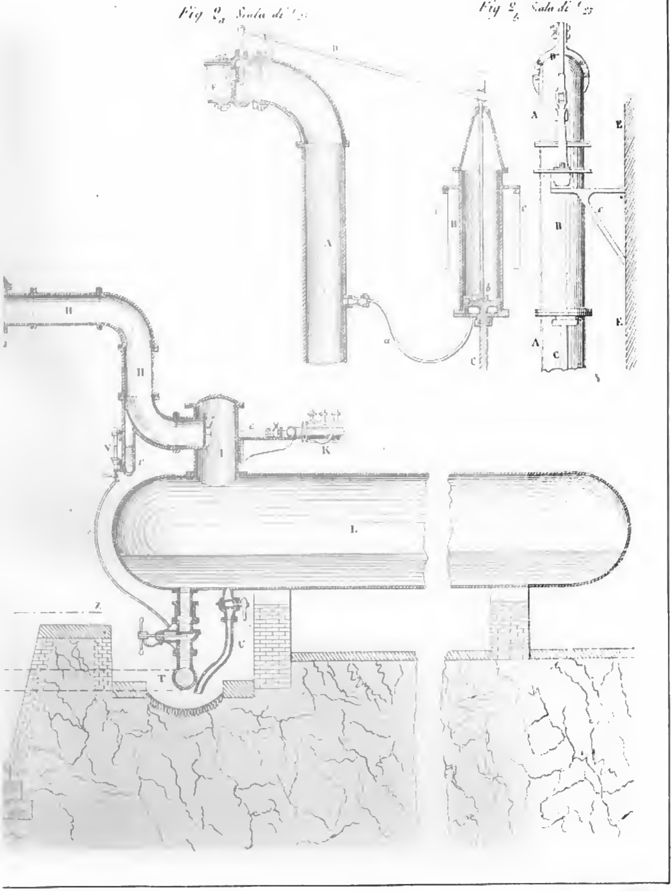


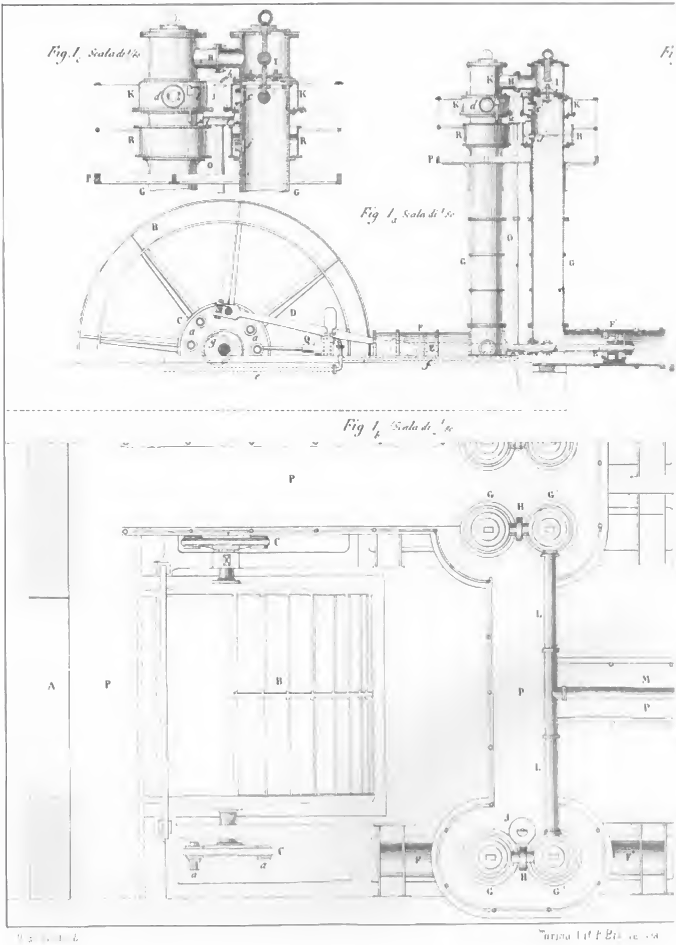
Locatelli Lucca dis   Torino Lit P Brio

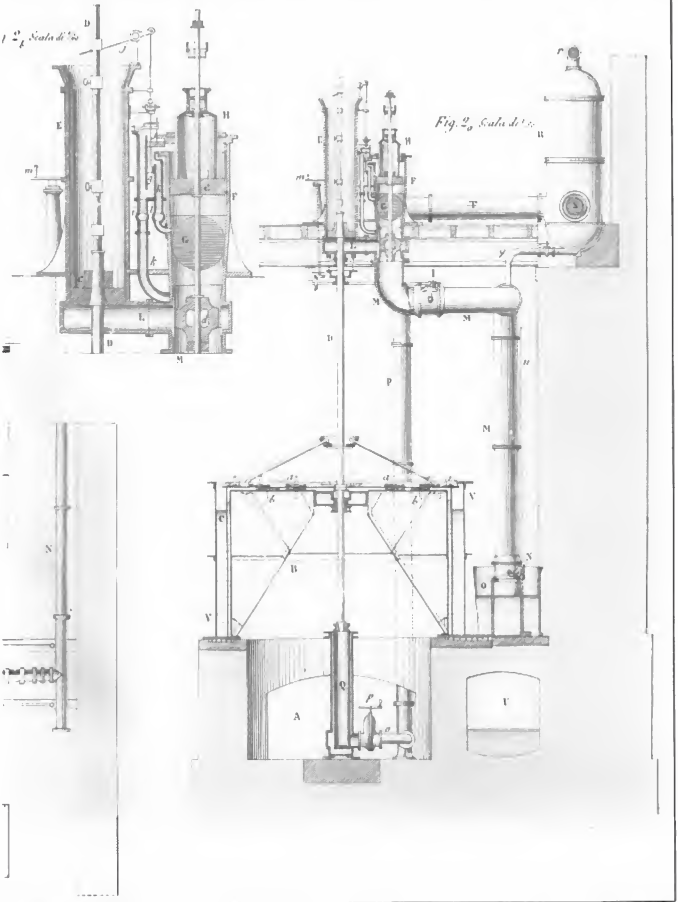


via S. Francesco d'Assisi, 22. G. Valletti autog.

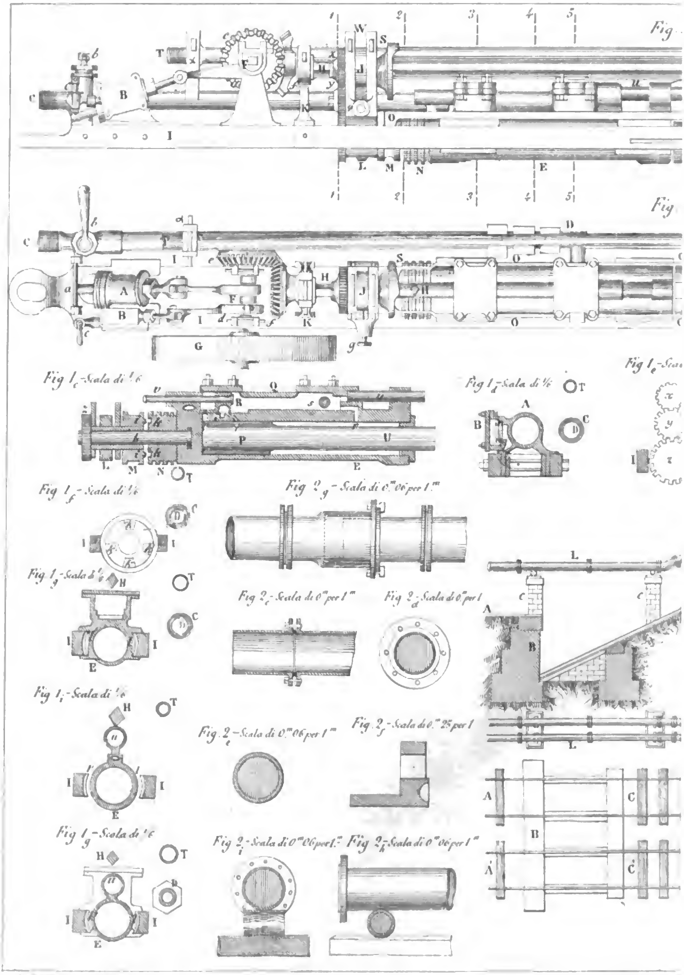



Fig. 2a Scala di 1/25
Fig. 2b Scala di 1/25
A
B
C
E
H
I
K
L
T
V
Z


Fig. 1c Scala di 1/25
Fig. 1a Scala di 1/25
Fig. 1b Scala di 1/25
K
R
P
G
B
C
D
A
L
M
H
J
O



M. Valletti Lit.


Fig 1c - Scala di 1/6
Fig 1d - Scala di 1/6
Fig 1e - Scala
Fig 1f - Scala di 1/6
Fig 2g - Scala di 0.m 06 per 1.m
Fig 1g - Scala di 1/6
Fig 2c - Scala di 0.m per 1.m
Fig 2d - Scala di 0.m per 1
Fig 1i - Scala di 1/6
Fig 2e - Scala di 0.m 06 per 1.m
Fig 2f - Scala di 0.m 25 per 1
Fig 1g - Scala di 1/6
Fig 2i - Scala di 0.m 06 per 1.m
Fig 2h - Scala di 0.m 06 per 1.m

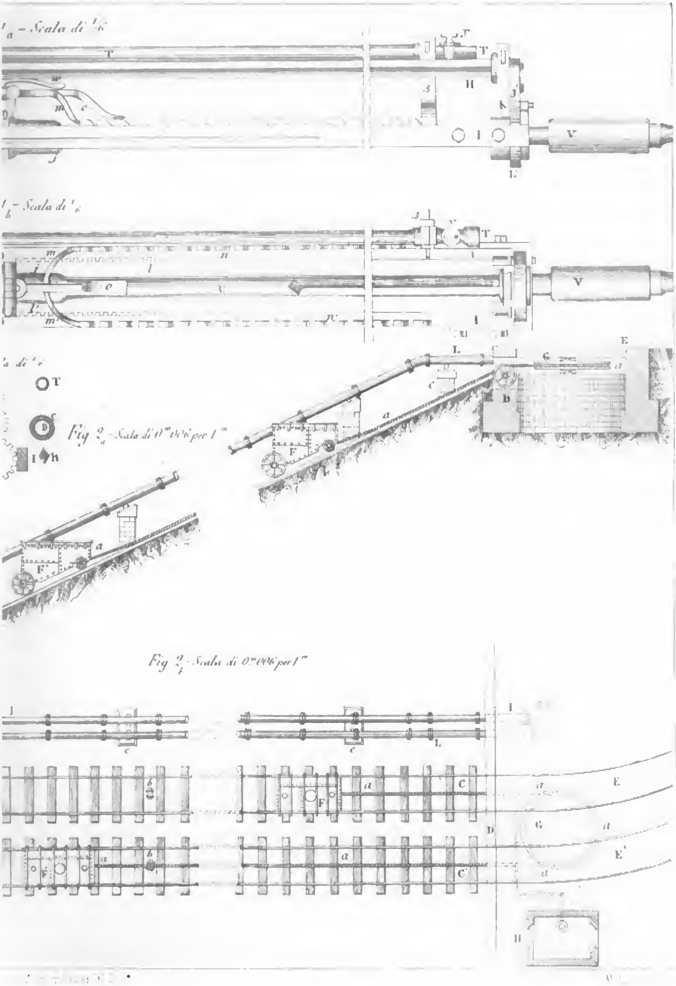
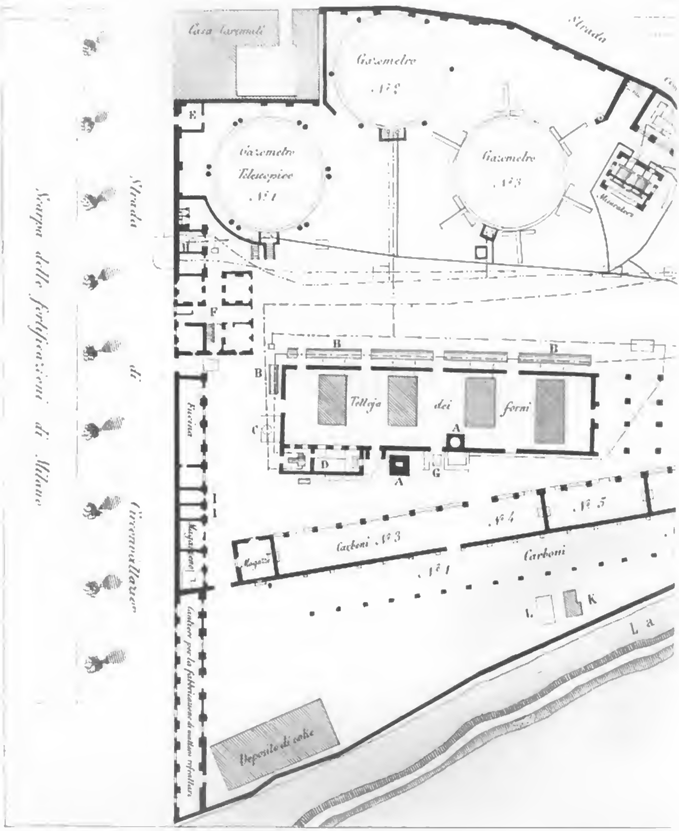
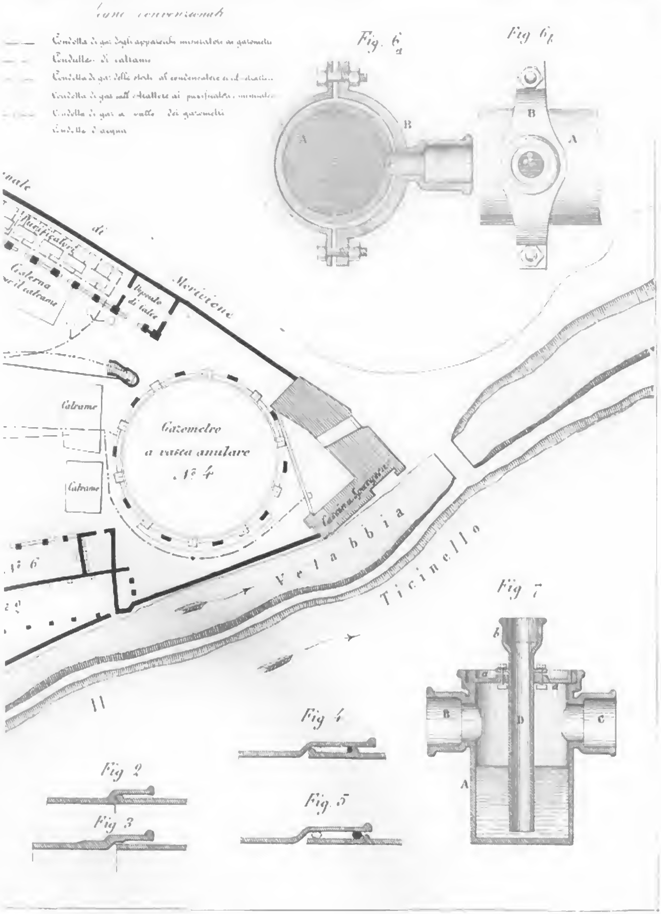
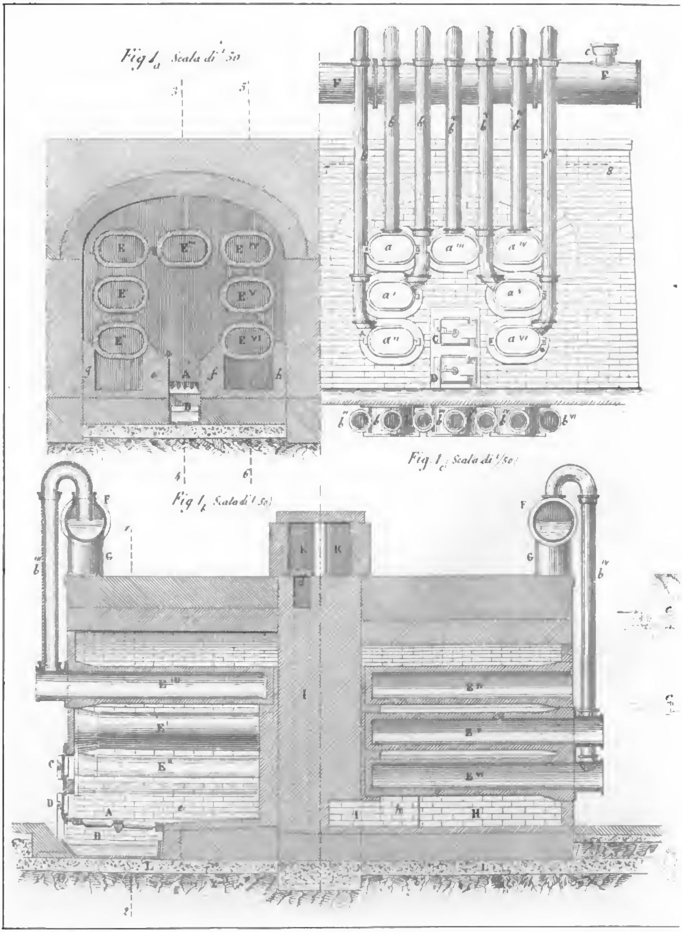
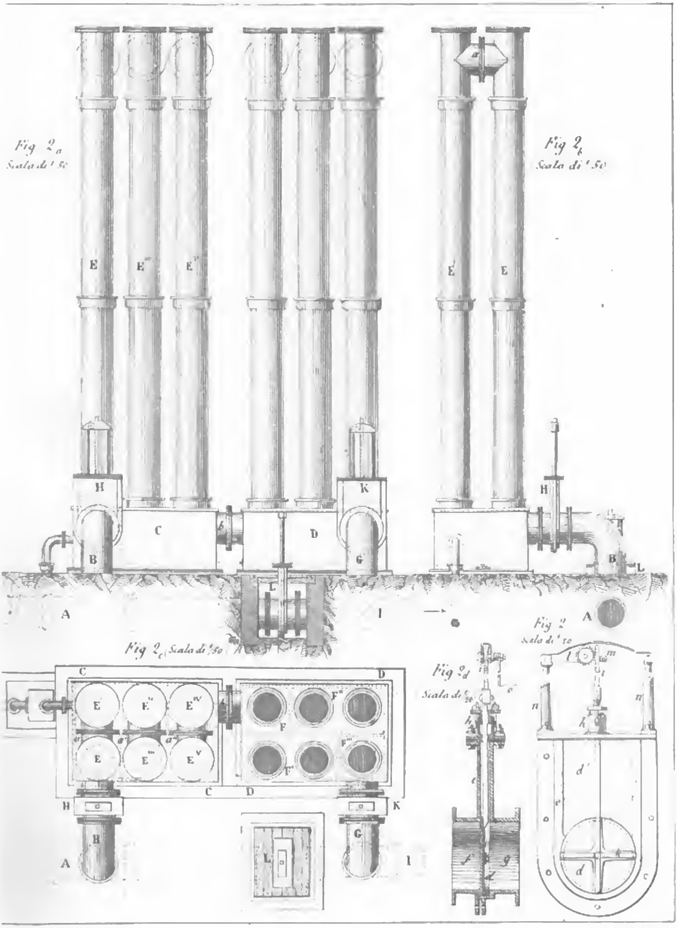

a - Scala di 1/6
b - Scala di 1/6
Fig 2a - Scala di 0m.006 per 1m
Fig 2b - Scala di 0m.006 per 1m
T
H
V
I
E
n
m
l
o
L
G
D
B
F
a
c
b
C
C'
E'
h

Fig. 1 Scala di m 0.0020 per 1 metro




Condotte di catrame
Condotta di gas a valle dei gazometri
Condotta d'acqua
Fig. 6a
Fig. 6b
A
B
Meridione
Deposito di calce
Catrame
Gazometro
a vasca anulare
N° 4
Velabbia
Ticinello
Fig 7
b
a
B
C
D
A
Fig 4
Fig 2
Fig 3
Fig. 5




Fig 2a
Scala di 1/50
Fig 2b
Scala di 1/50
Fig 2c Scala di 1/50
Fig 2d
Fig 2
E
E
H
K
B
C
D
G
A
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L
F

ESTRATTORE A STANTUFFO ED A VAPORE DELLE DUE FABBRICHE DELLA SC

Fig 1a (Scala di 1/30)

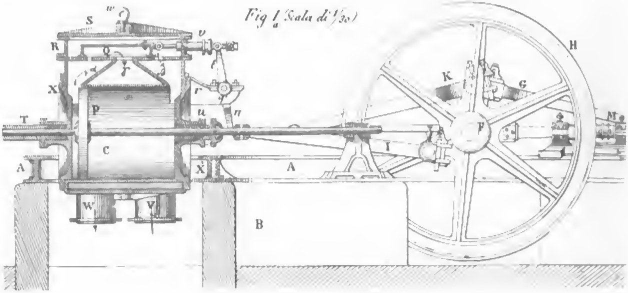
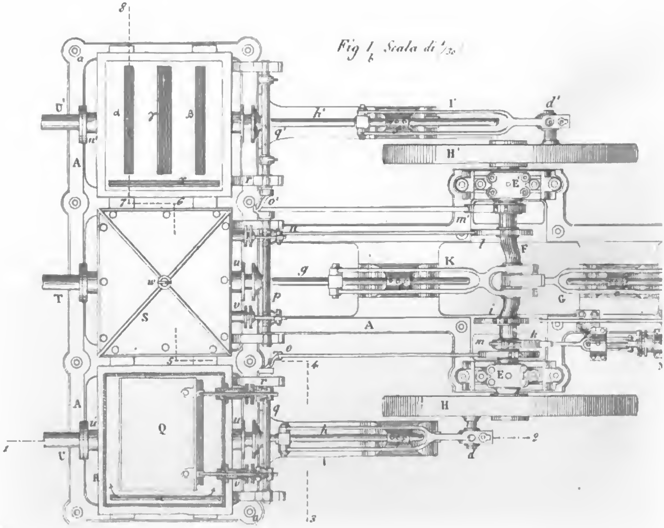


Fig 1b Scala di 1/30



G. Morbelli dis.

Torino Lit. P. Briola via

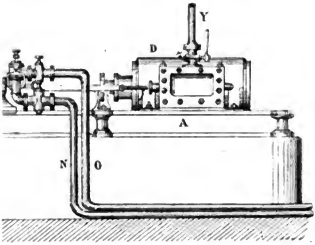


Fig. 2.

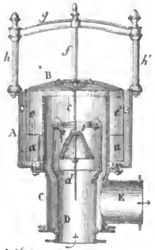
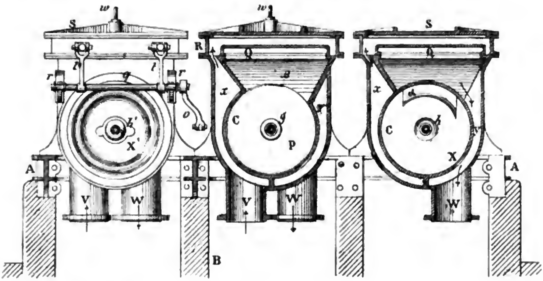


Fig. 1c (Scala di 1/30)



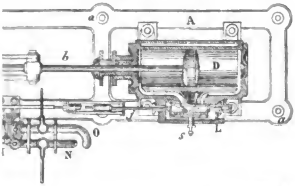
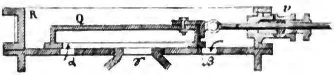
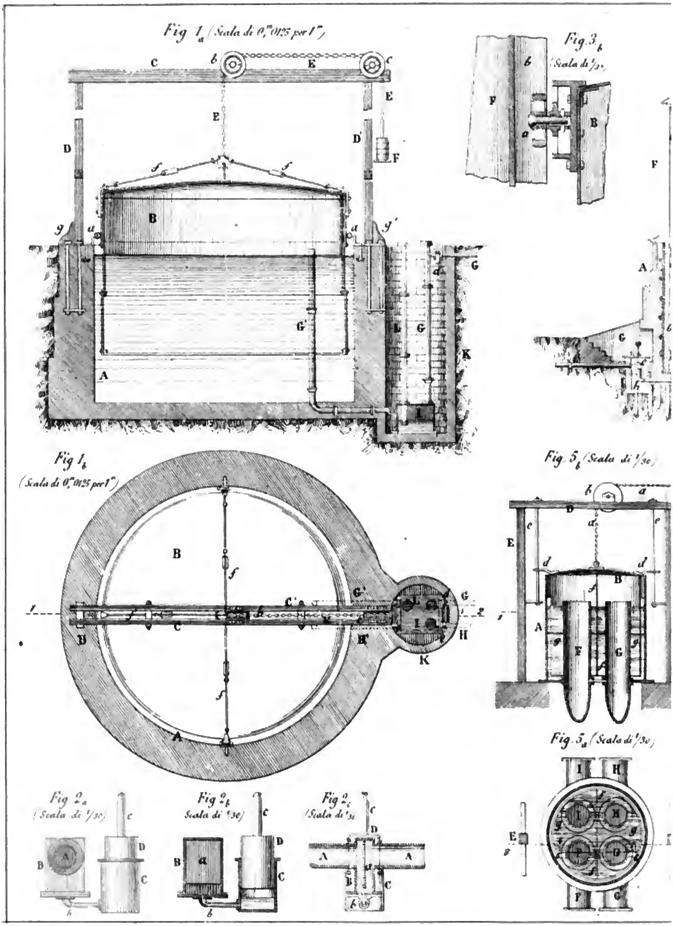
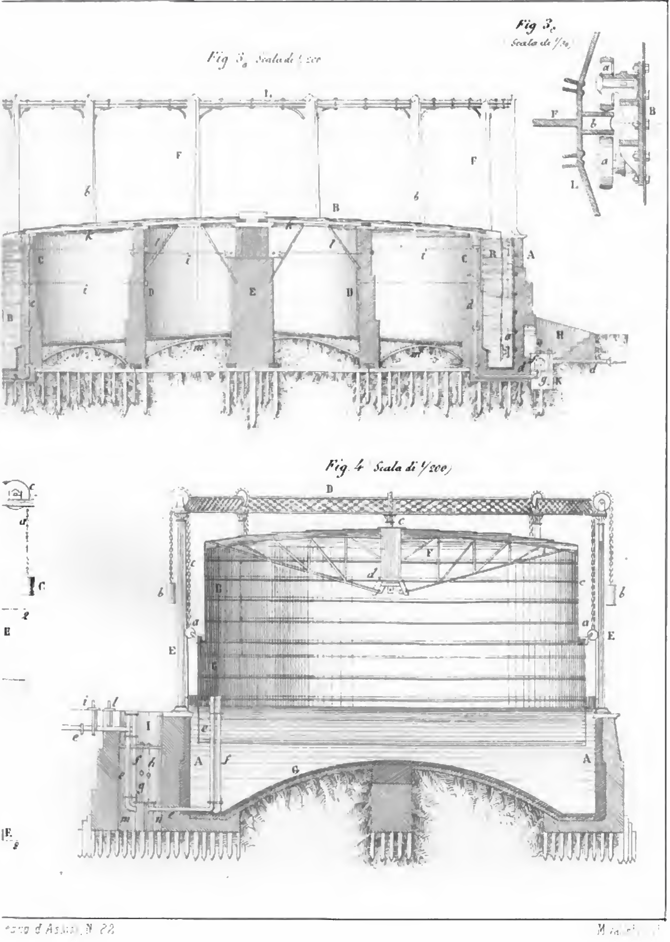


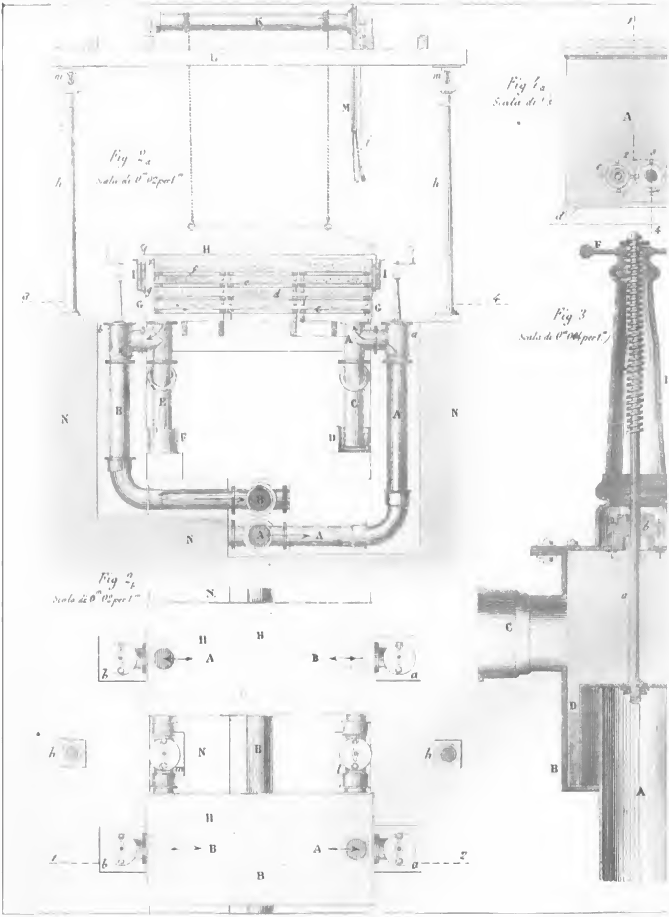
Fig. 1d (Scala di 1/15)




Fig 1a (Scala di 0,m0125 per 1m)
Fig 1b (Scala di 0,m0125 per 1m)
Fig. 3b (Scala di 1/20)
Fig. 5b (Scala di 1/30)
Fig. 5a (Scala di 1/30)
Fig 2a (Scala di 1/30)
Fig 2b Scala di 1/30)
Fig 2c (Scala di 1/30


Fig. 3a Scala di 1/200
Fig. 3c (Scala di 1/30)
Fig. 4 Scala di 1/200)

COLONNA A FUOCO, PURIFICATORE A CALCE, VALVOLA IDRAULICA SEMPLICE, REGOLAT.



Torino Lit. P. Briola via S.

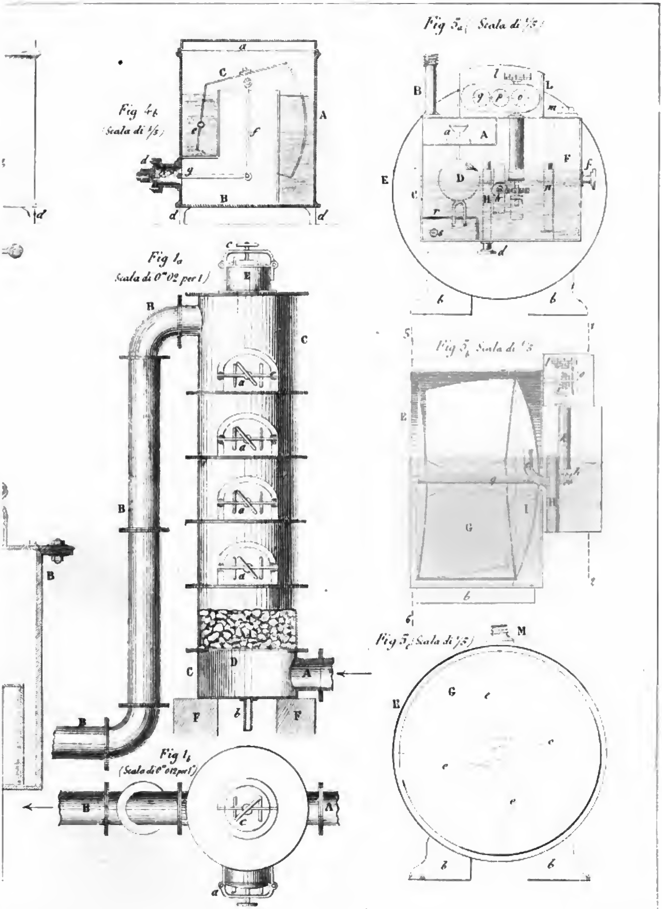
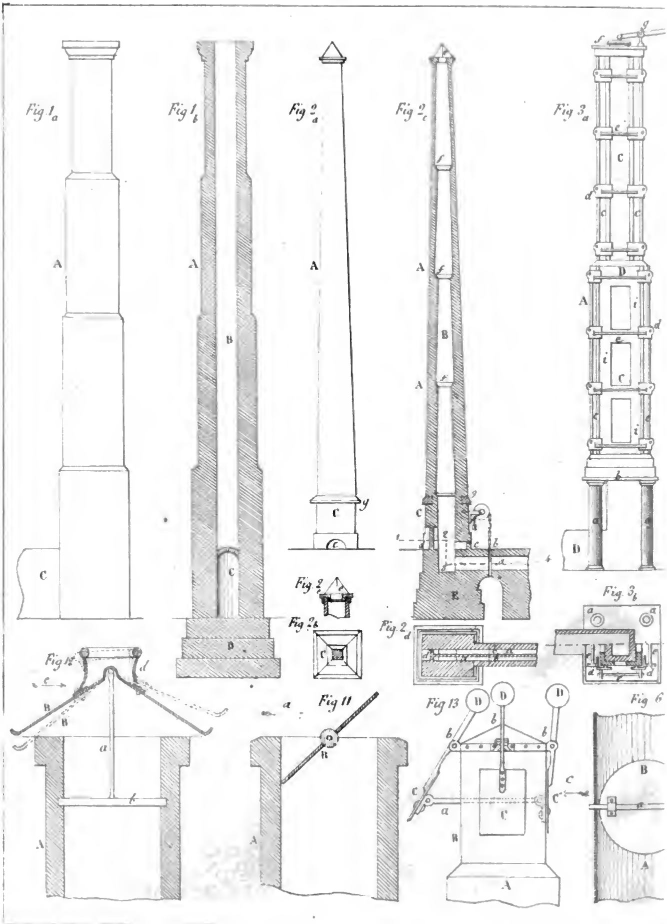
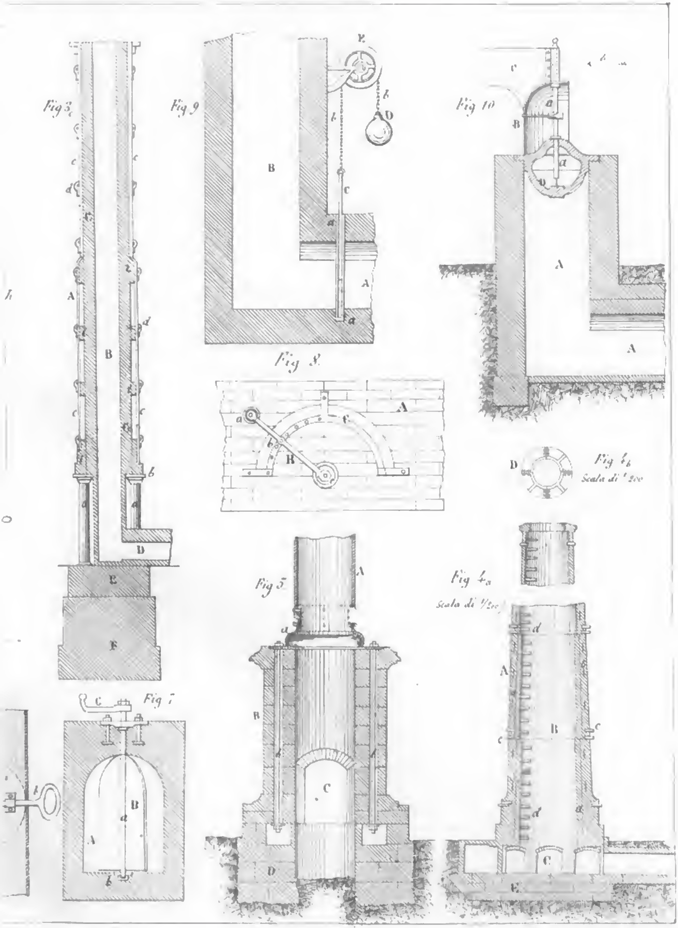


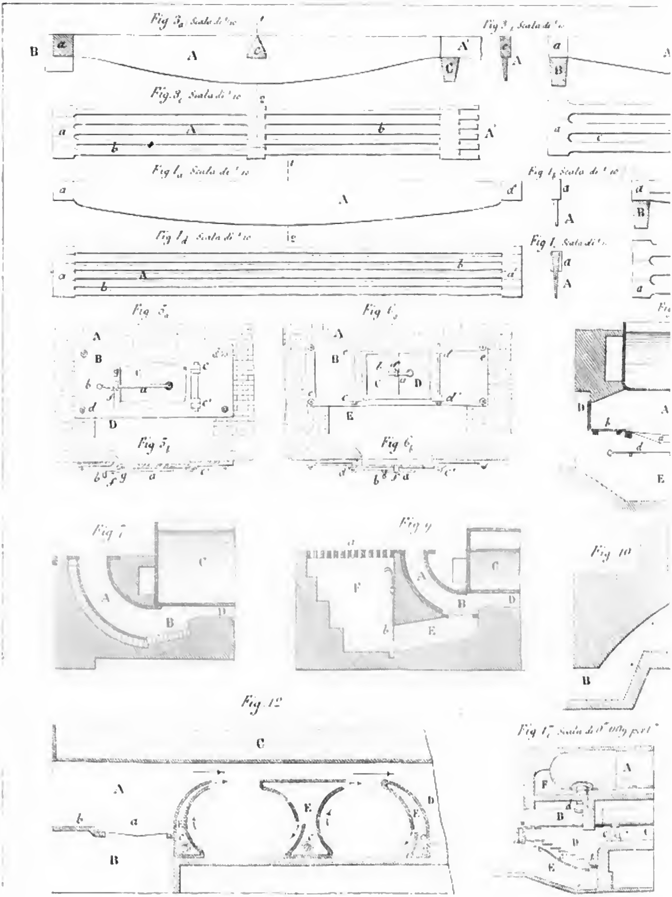
Fig 5a (Scala di 1/5)
Fig 4b (Scala di 1/5)
Fig 1a Scala di 0m02 per 1
Fig 5b Scala di 1/5
Fig 5c (Scala di 1/5)
Fig 1b (Scala di 0m012 per 1)


Fig. 1a
Fig. 1b
Fig. 2a
Fig. 2c
Fig. 3a
Fig. 2e
Fig. 2b
Fig. 2d
Fig. 3b
Fig. 12
Fig. 11
Fig. 13
Fig. 6



F. Barbero Aut.

SBARRE DI GRATICOLE, PORTE [illegible]



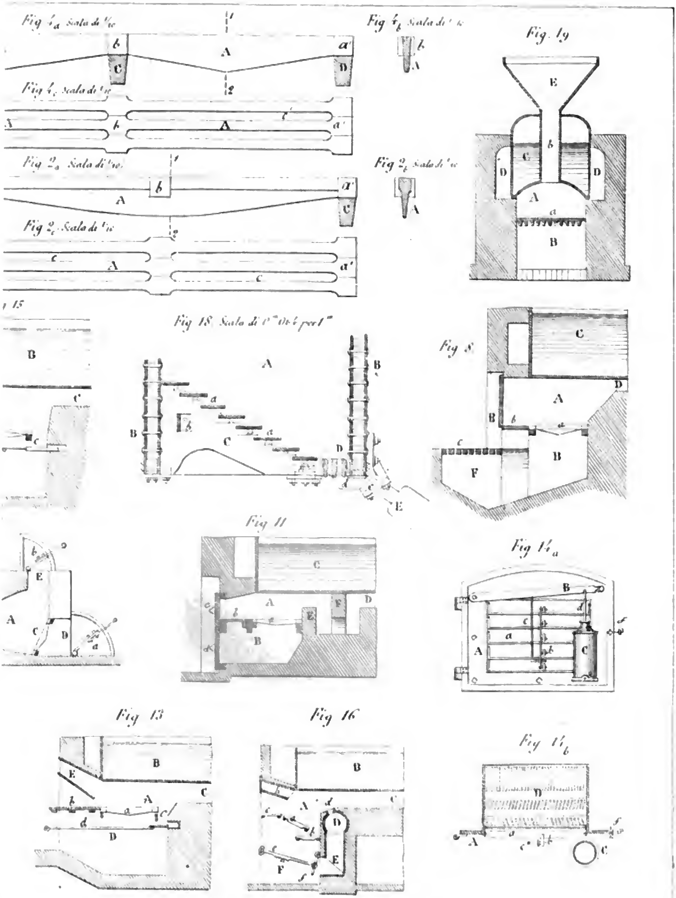
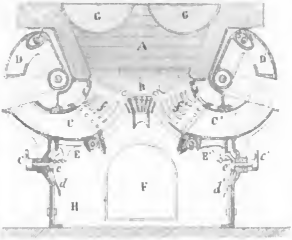
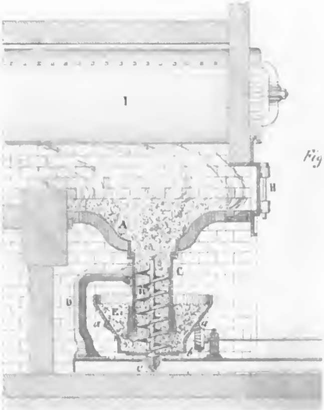

Fig 1a Scala di 1/10
Fig 1b Scala di 1/10
Fig. 19
Fig 1c Scala di 1/10
Fig 2a Scala di 1/10
Fig 2b Scala di 1/10
Fig 2c Scala di 1/10
Fig 18 Scala di 0.m 004 per 1.m
Fig 8
Fig 11
Fig 14a
Fig 13
Fig 16
Fig 14b

Fig. 6 (Scala di 1/24)





Fig

Fig. 3 (Scala di 0.m 035 per 1.m)

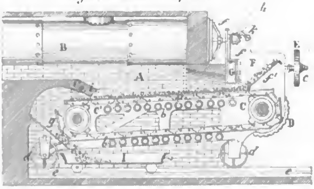


Fig. 1

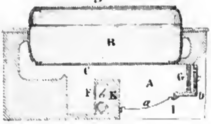
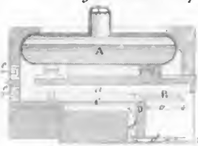


Fig. 2 (Scala di 0.m 105 per 1.m)



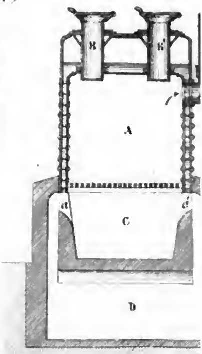
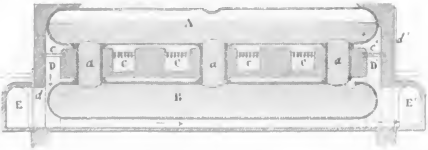
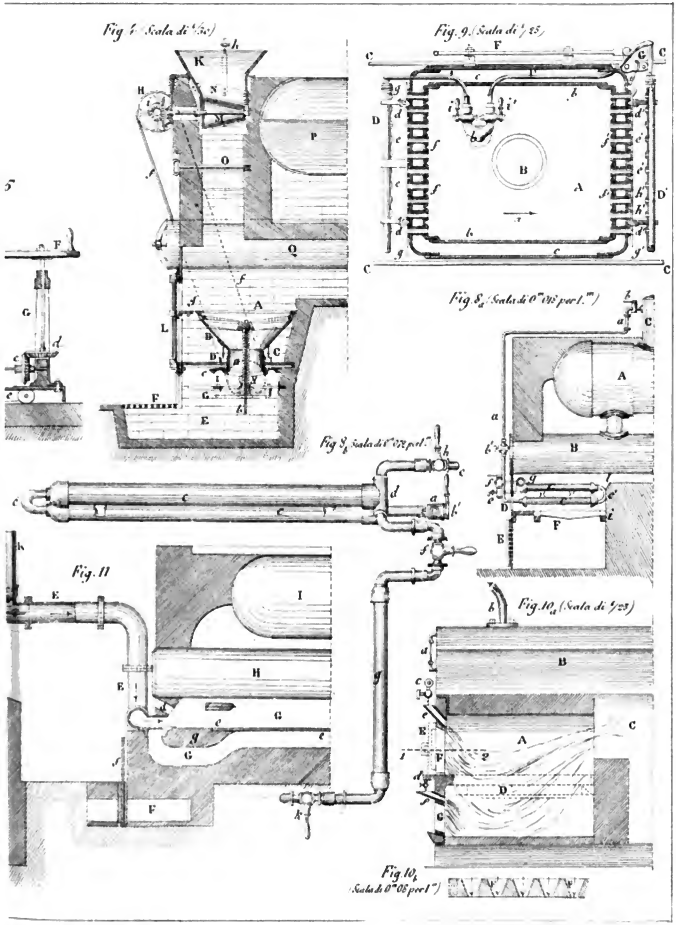
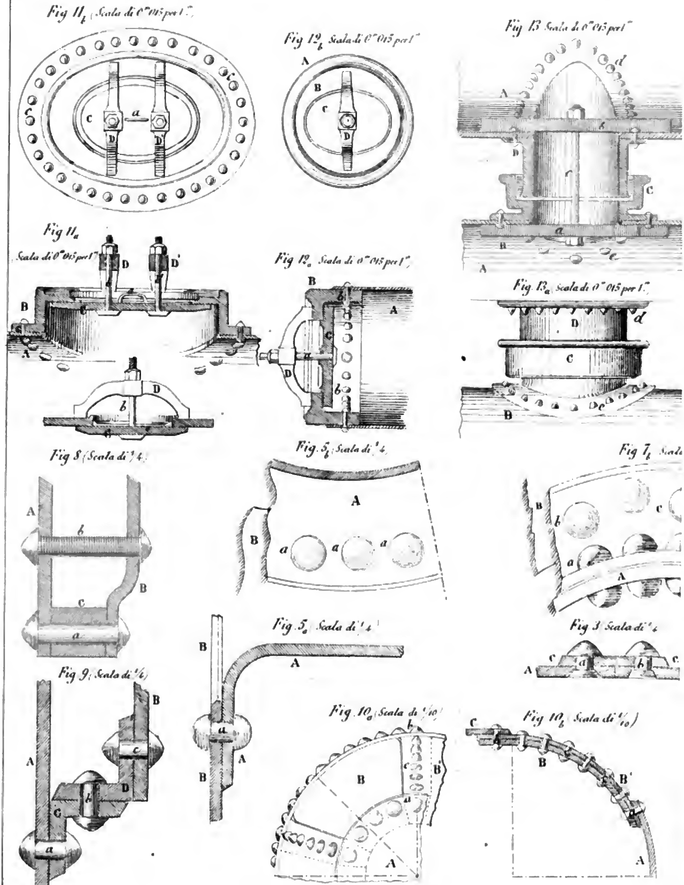


Fig. 7

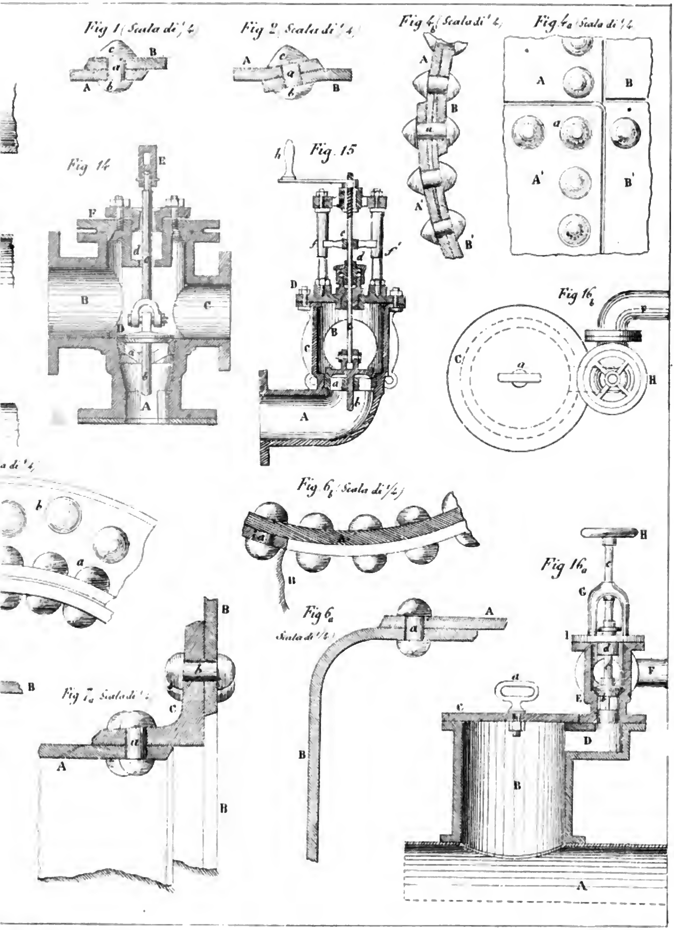


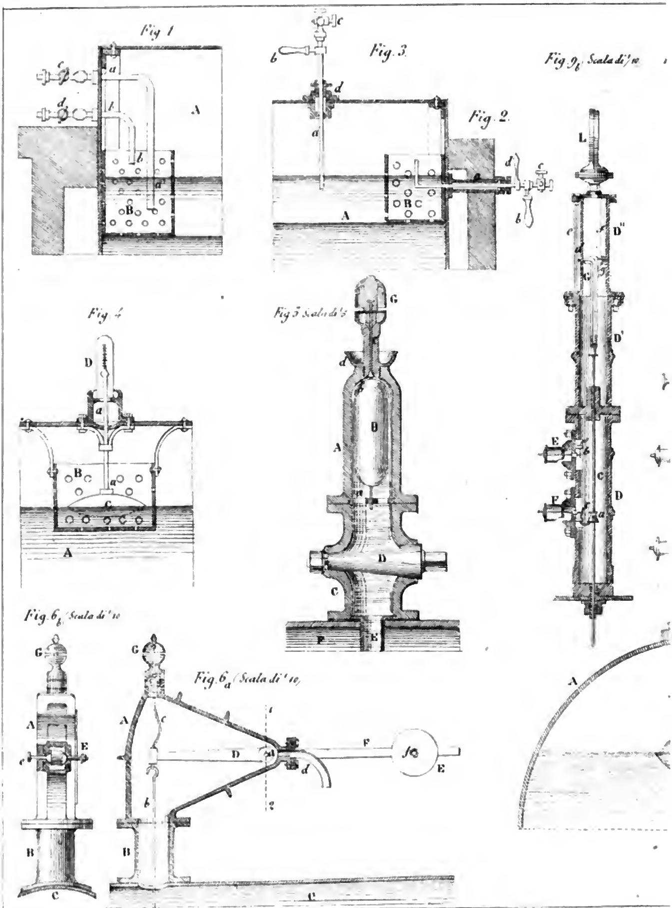

Fig. 9. (Scala di 1/25)
Fig. 8a (Scala di 0m.015 per 1.m)
Fig. 11
Fig. 10a (Scala di 1/25)
Fig. 10b (Scala di 0m.08 per 1m)



Antonio Lepidi dis

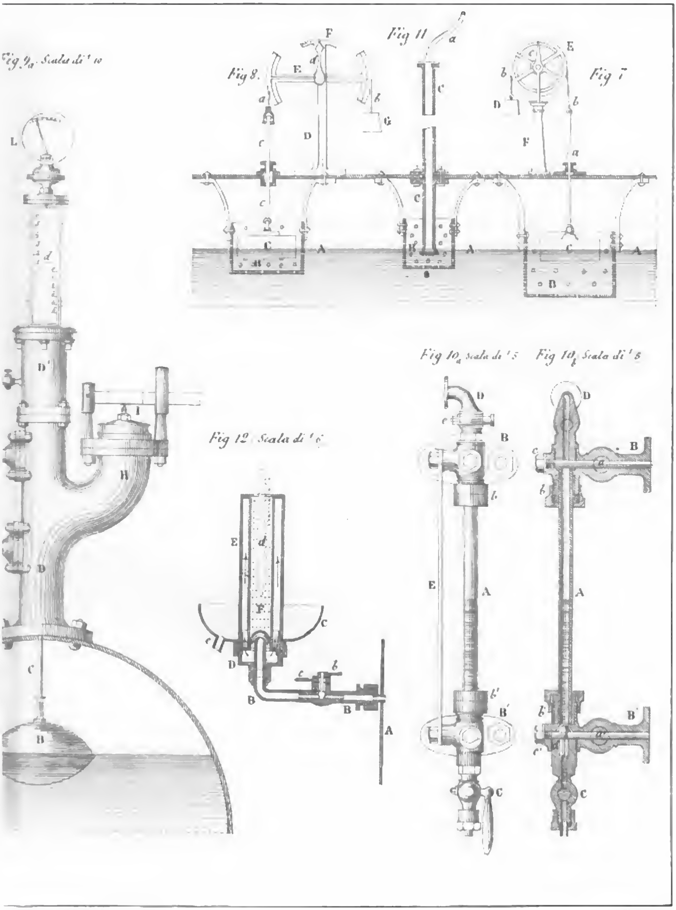
Torino lit. Briola

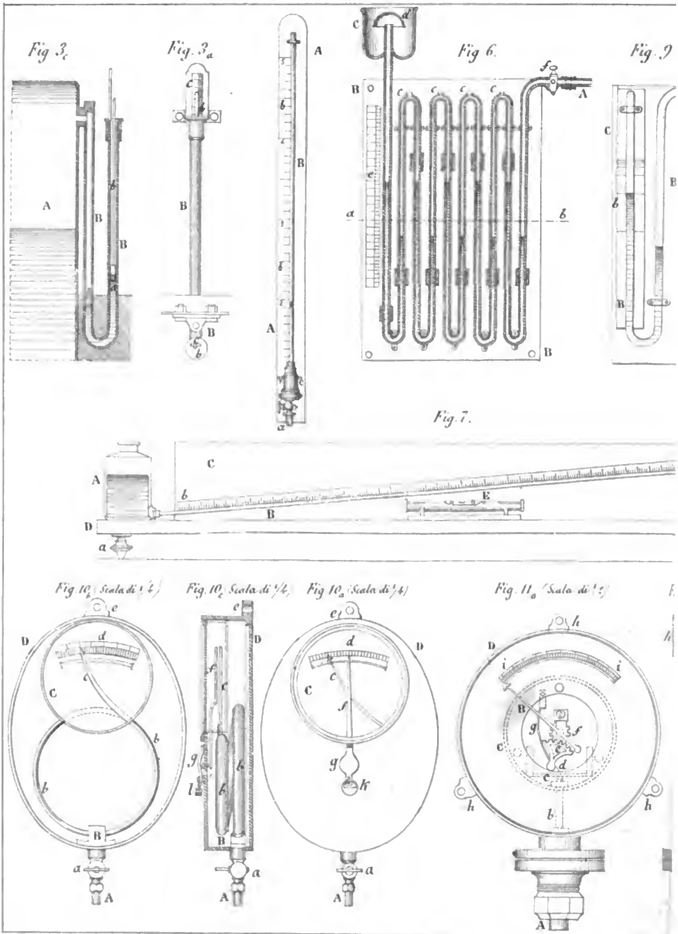

Fig 1 (Scala di 1/4)
Fig 2 Scala di 1/4
Fig 4b (Scala di 1/4)
Fig 4a Scala di 1/4
Fig 14
Fig 15
Fig 16b
Fig 6b (Scala di 1/2)
Fig 16a
Fig 6a Scala di 1/4
Fig 7a Scala di 1/4



Bagnoli Cesare dis.

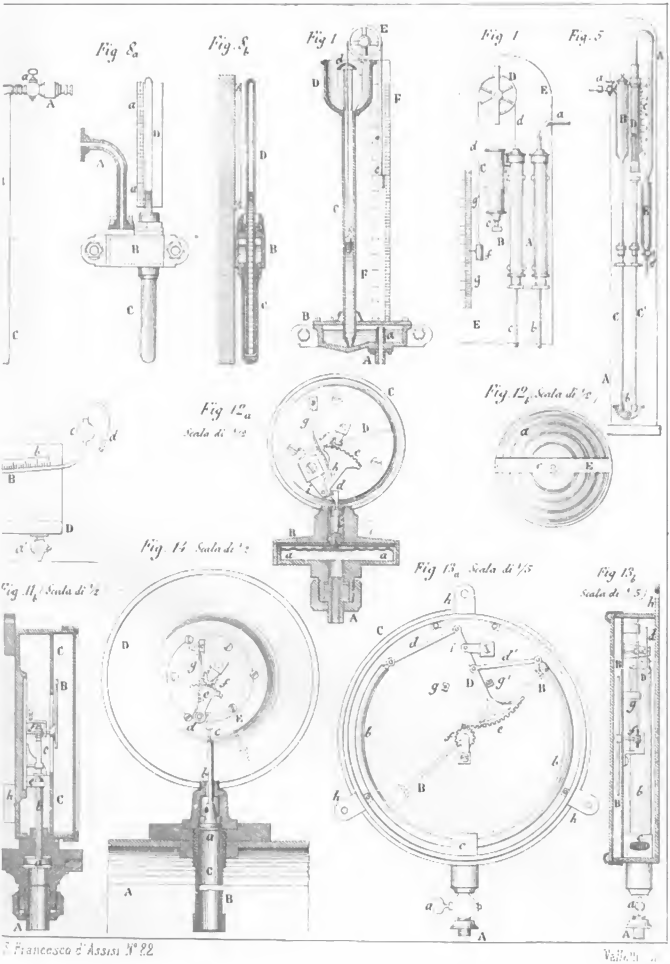
Torino Lit. P. Briola


Fig 9a Scala di 1/10
Fig 8.
Fig 11
Fig 7
Fig 10a Scala di 1/5
Fig 10b Scala di 1/5
Fig 12 Scala di 1/6

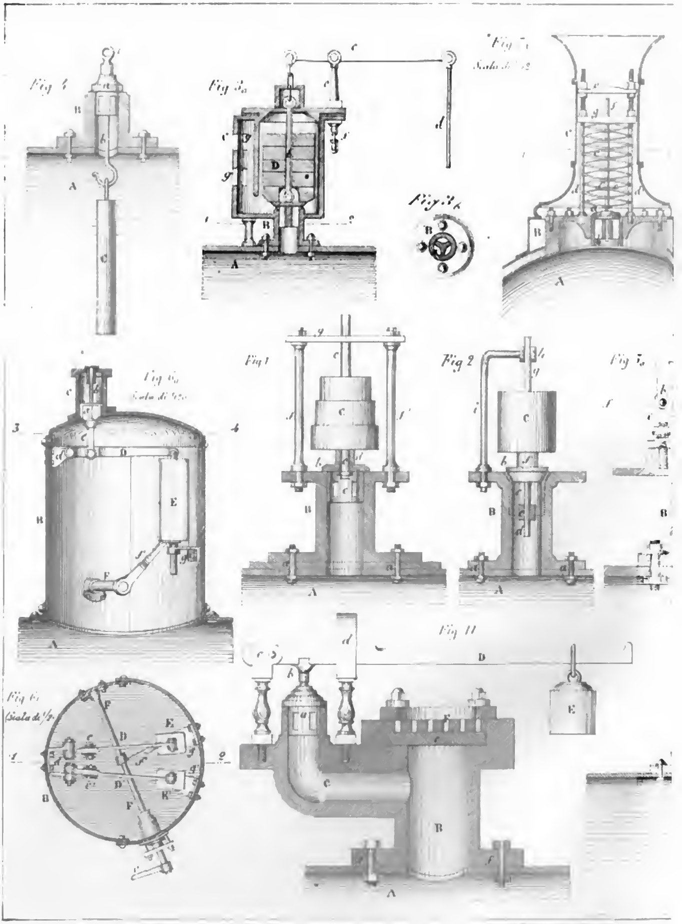


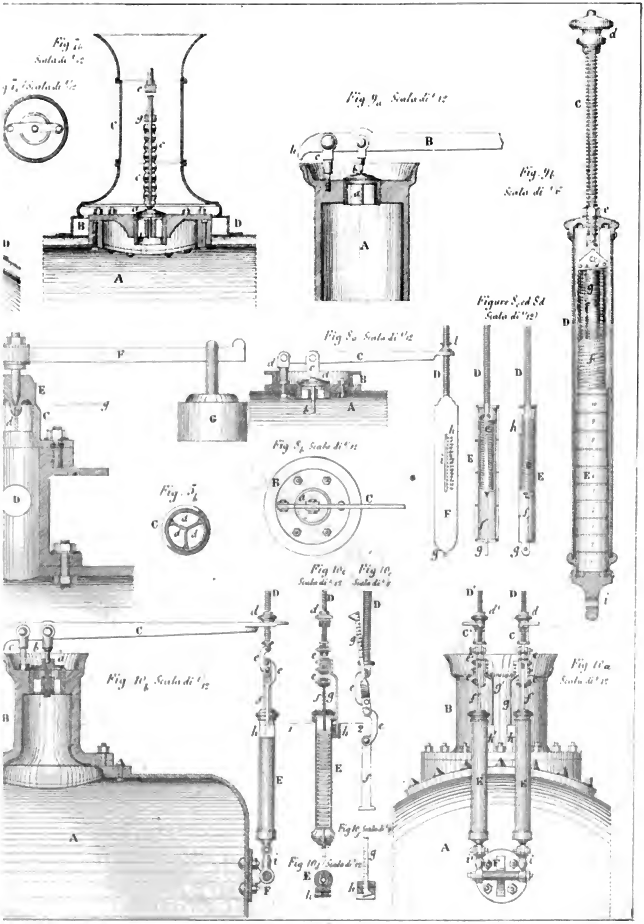
Miglio Giulio dis.

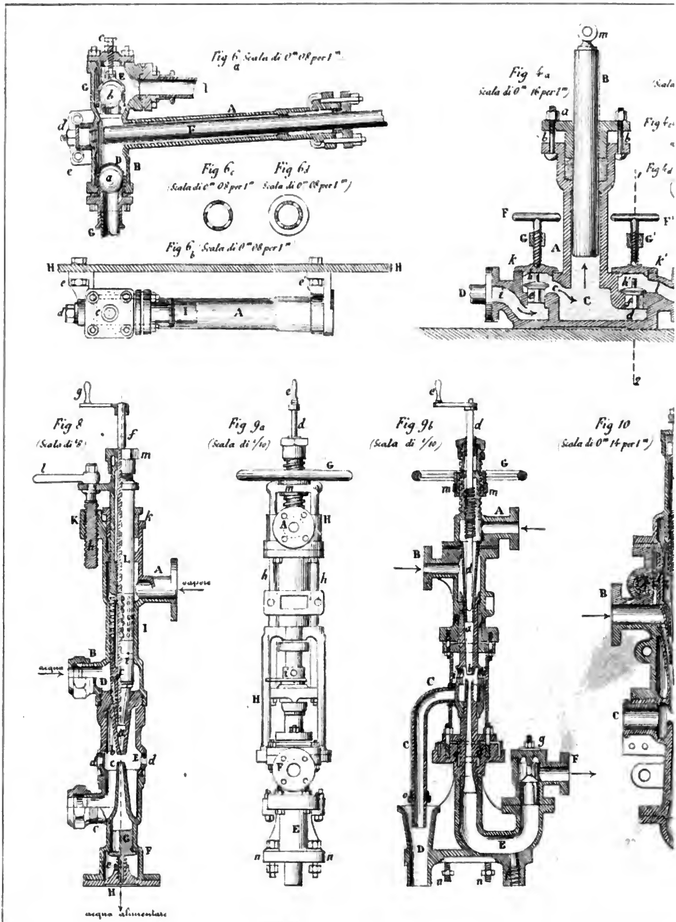
Torino Lit. P. Briola Via


Fig. 8a
Fig. 8b
Fig. 1
Fig. 1
Fig. 5
Fig. 12a Scala di 1/2
Fig. 12b Scala di 1/2
Fig. 14 Scala di 1/2
Fig. 13a Scala di 1/5
Fig. 13b Scala di 1/5
Fig. 11b Scala di 1/2

Allante di Macchine a vapore e ferrovie con leggenda. VALVOLE DI SICUREZZA A CARICO DIRETTO, A LEVA CO

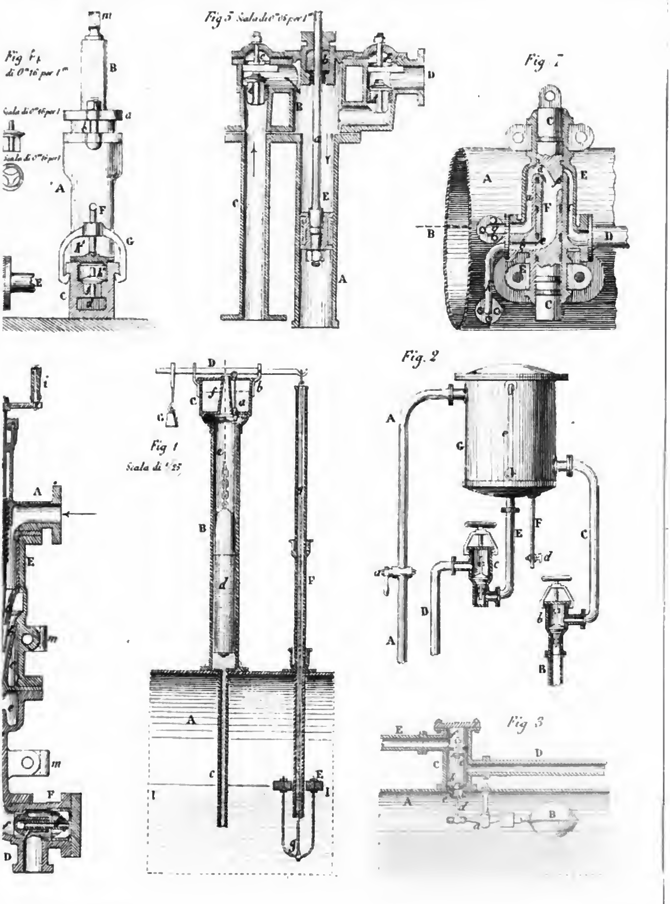



Fig. 9a Scala di 1/12
Fig. 9b Scala di 1/6
Figure 8c ed 8d Scala di 1/12
Fig. 8a Scala di 1/12
Fig. 8b Scala di 1/12
Fig. 10b Scala di 1/12
Fig. 10a Scala di 1/12



Adolfo Berlola dis.

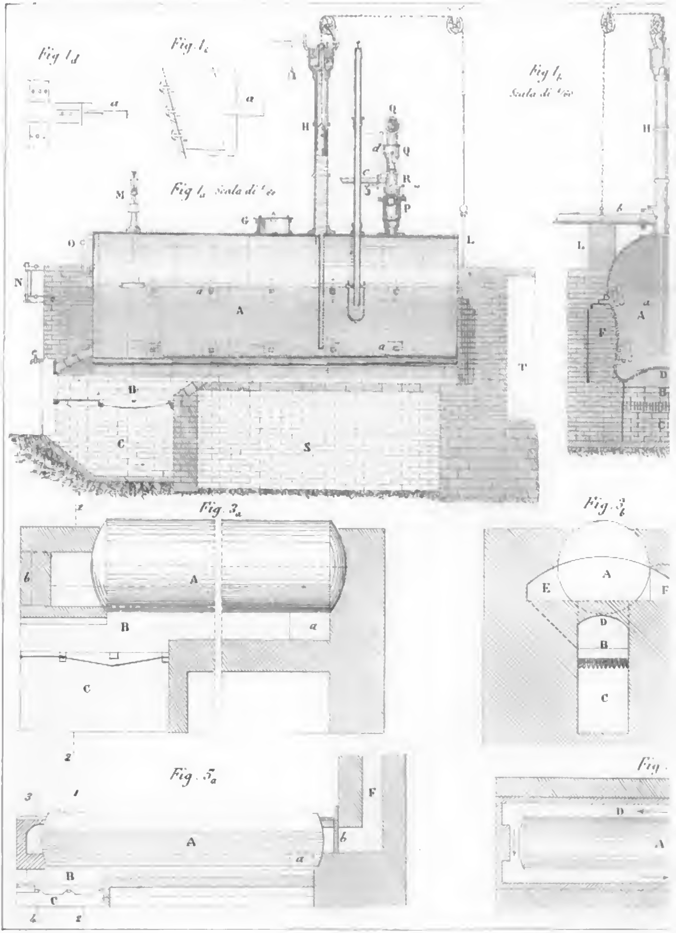
Torino Lit P Briola via S



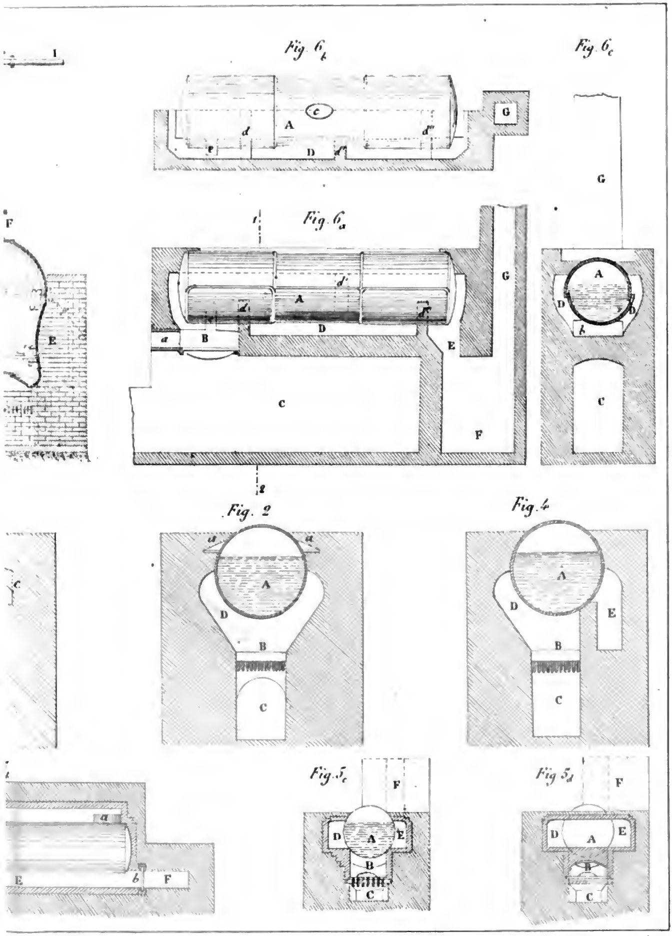
Francesco d'Assisi N° 22

G. Guerrera lit.

Atlante 3. Macchine a vapore e ferrovie con legg.te CALDAJA A BASSA PRESSIONE DI WATT; MANIERE DIVER



Ercole Visconti Pratta dis


Fig. 6b
Fig. 6c
Fig. 6a
Fig. 2
Fig. 4
Fig. 5c
Fig. 5d
A
B
C
D
E
F
G

CALDAIE A VAPORE AD UNO ED A DUE BOL[LITORI]

Fig. 2b Scala di 0^m015 per 1^m.

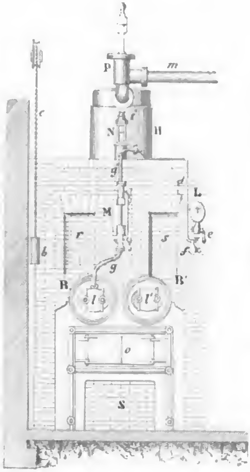


Fig. 2a Scala di 0^m015 pe[r]

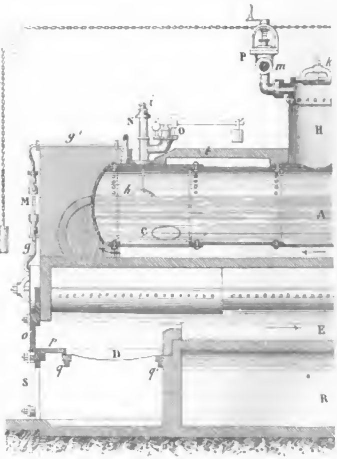


Fig. 1a Scala di 1/50

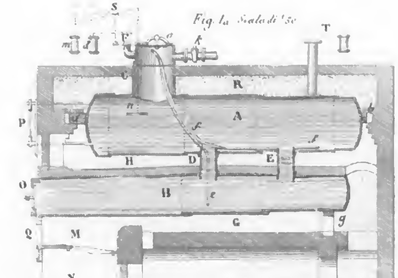
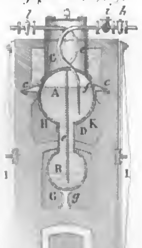


Fig 1b Scala di 1/50.



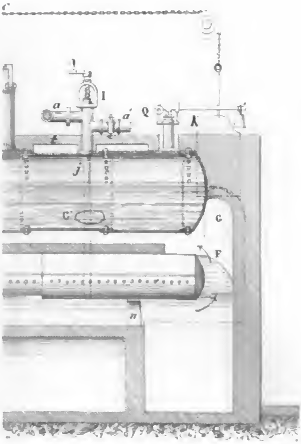


Fig. 2c Scala di 0m015 per 1m.

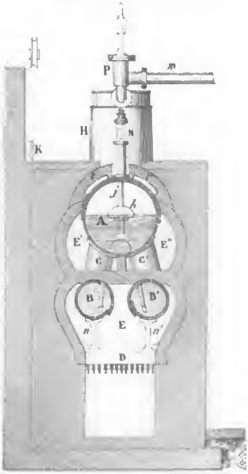


Fig. 3a

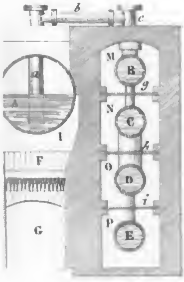
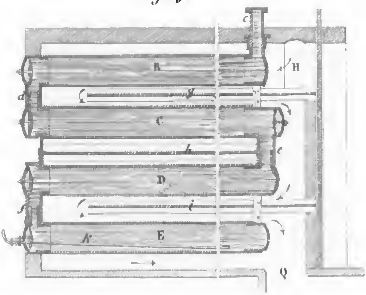
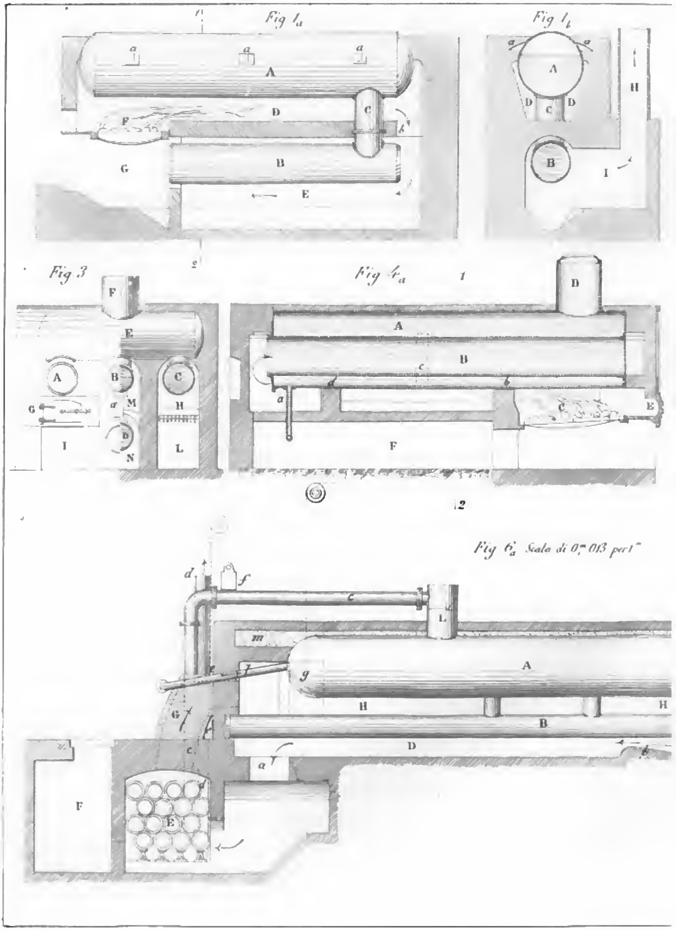
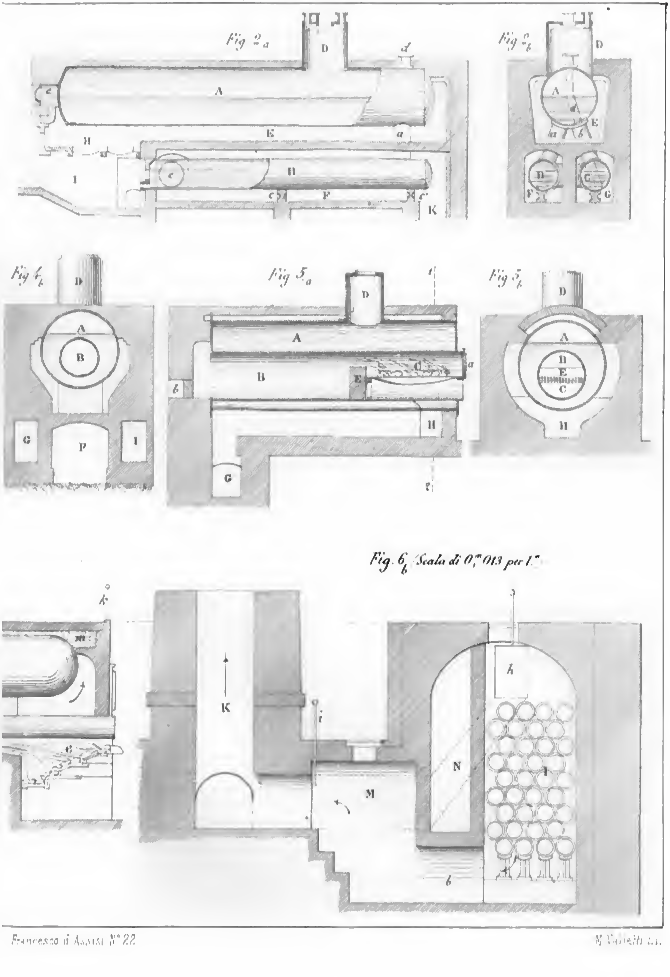
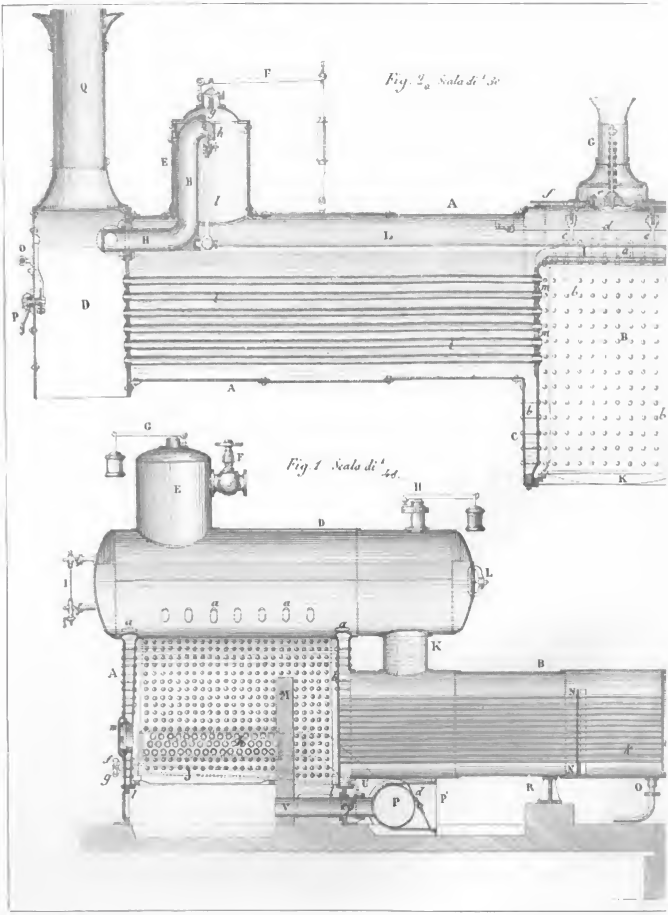


Fig 3b




Fig 1a
Fig 1b
Fig 3
Fig 4a
Fig 6a Scala di 0,m 013 per 1m


Fig. 2a
Fig. 2b
Fig. 4b
Fig. 5a
Fig. 5b
Fig. 6b (Scala di 0,m013 per 1m)



Marzocchi Franc.o dis. Torino Lit. P. Briola Via S. Fr.

Fig. 2b (Scala di 1/30)

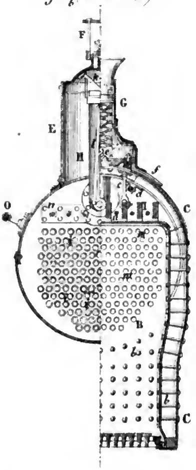


Fig. a Scala di 1/48

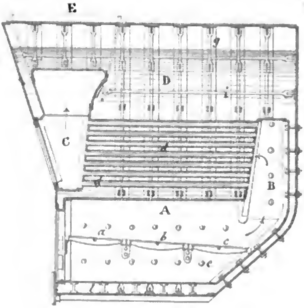
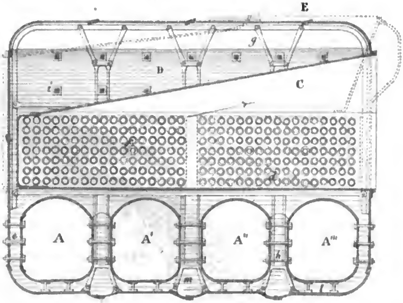




Fig. 3b (Scala di 1/48)



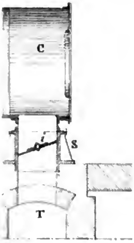


Fig. 1.

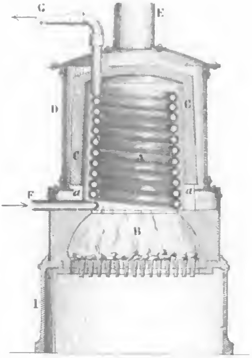


Fig. 2 - Scala di 1/20.

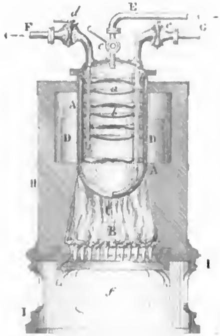




Fig. 3_a - Scala di 1/40.

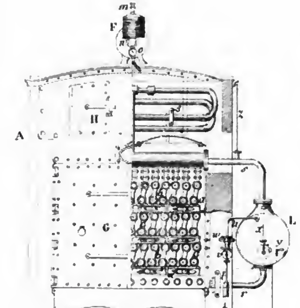
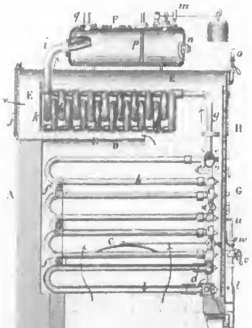
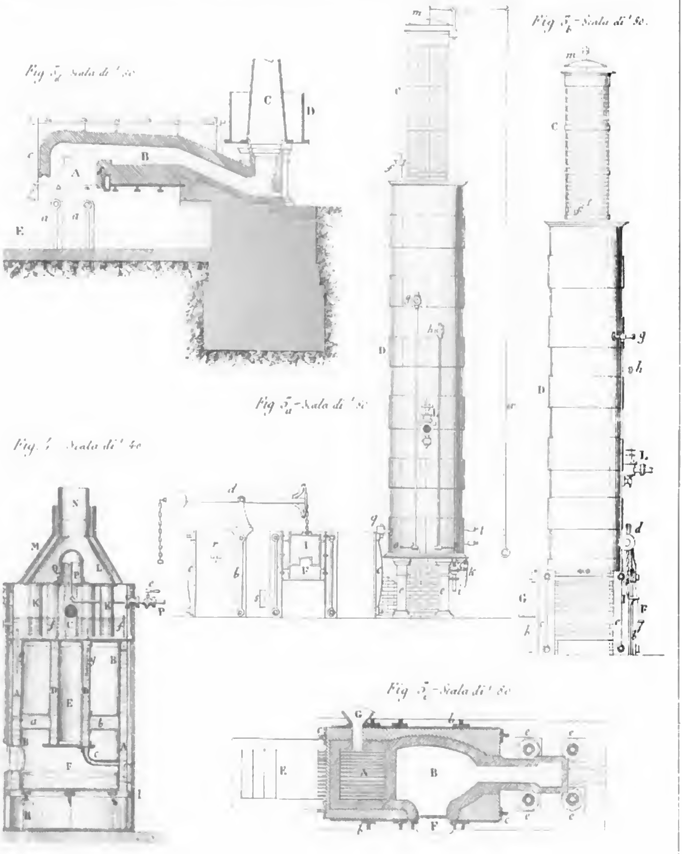
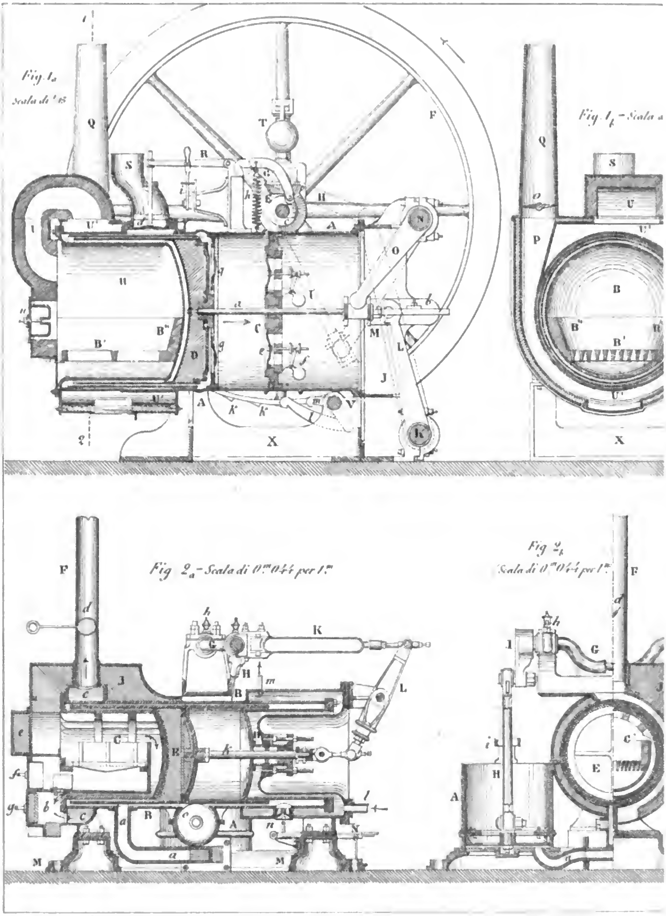


Fig. 3_b - Scala di 1/40.






Fig 5
Fig 5
Fig 5
Fig. 4
Fig 5



Federico Serena dis.

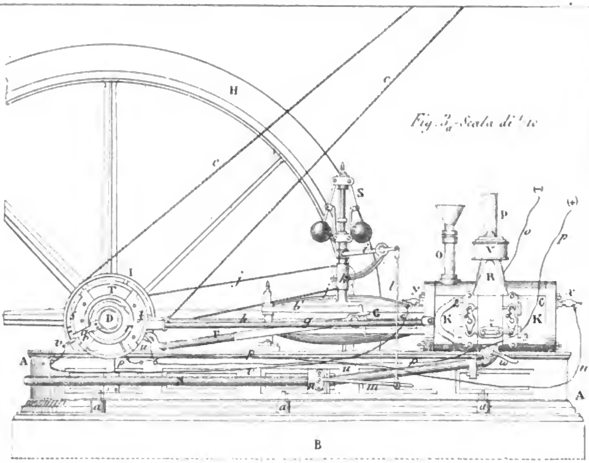


Fig. 3a - Scala di 1/10



Fig 3f - Scala di 1/3

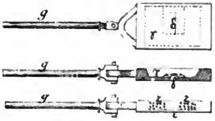
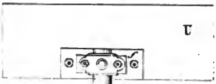


Figure 3c, 3d e 3e - Scala di 1/10



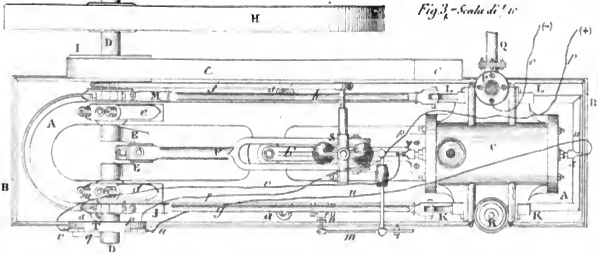


Fig. 3b - Scala di 1/10



Fig. 1_a – Scala di 0,m05 per 1m

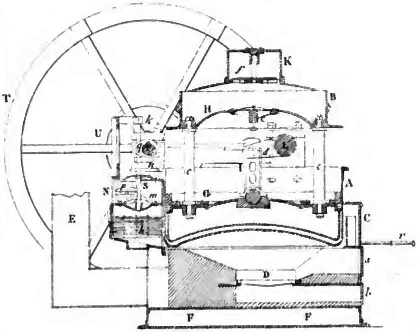


Fig. 3 – Scala di ½

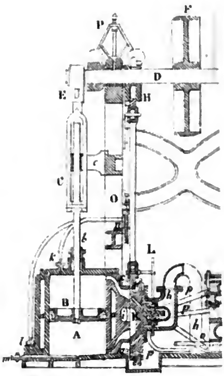


Fig. 1_b – Scala di 0,m05 per 1m

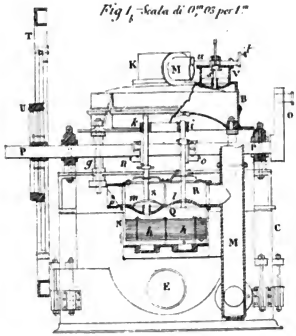
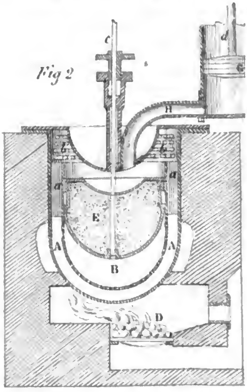
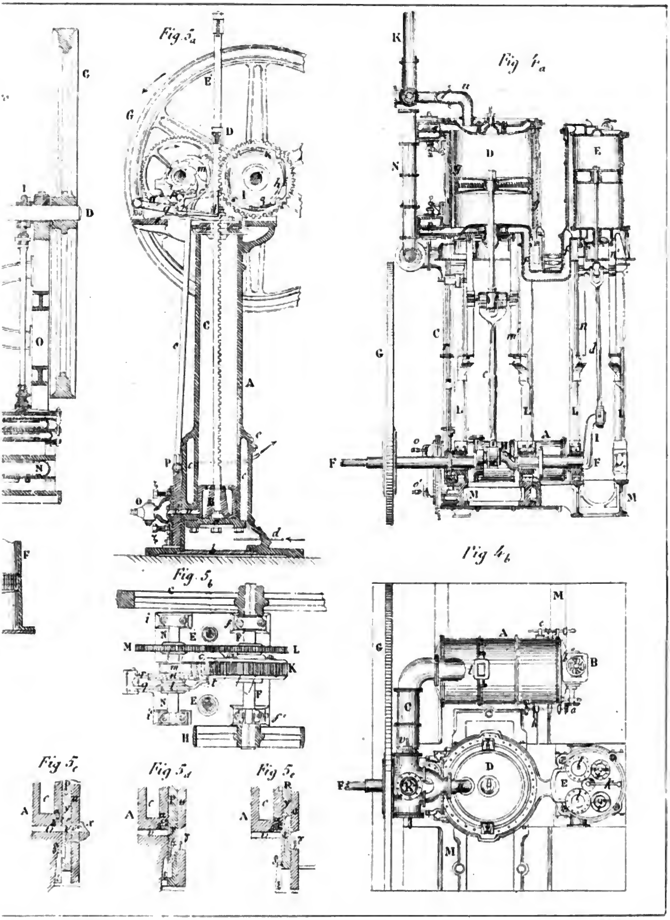
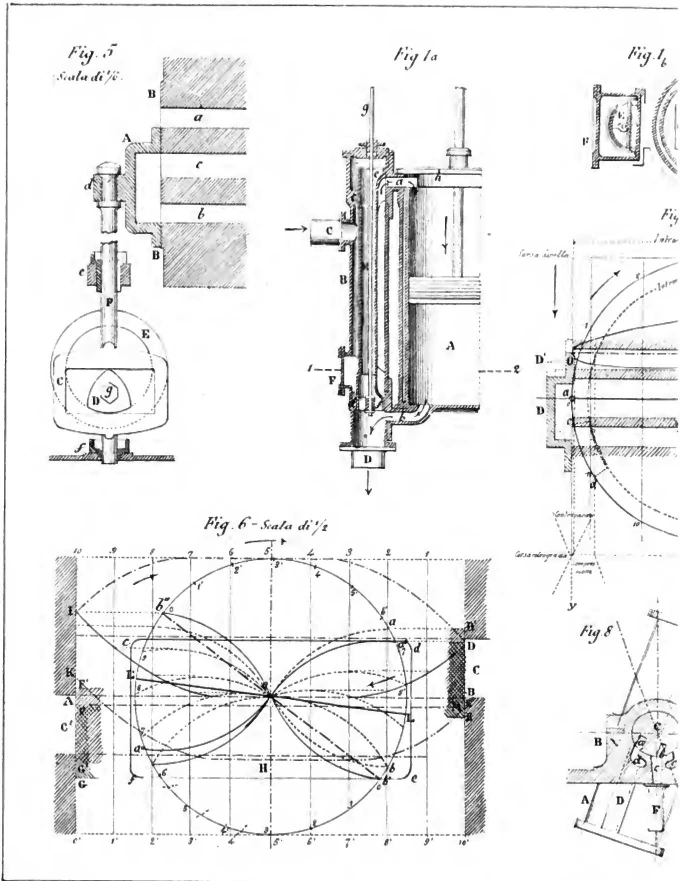


Fig. 2




Fig. 5a
Fig. 4a
Fig. 5b
Fig. 4b
Fig. 5c
Fig. 5d
Fig. 5e



Ferrario Galileo dis

Torino Lit. P. Briola Via S. Fra

Fig 2 - Scala di 1/20

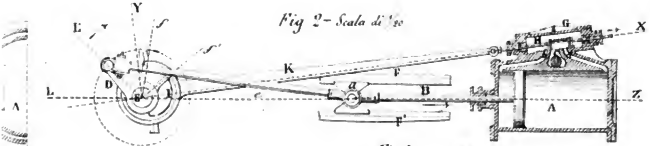
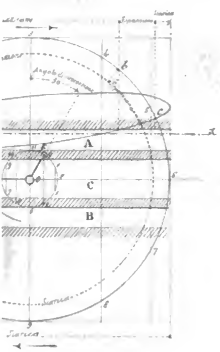


Fig 4 - Scala di 1/2

3 - Scala di 1/8



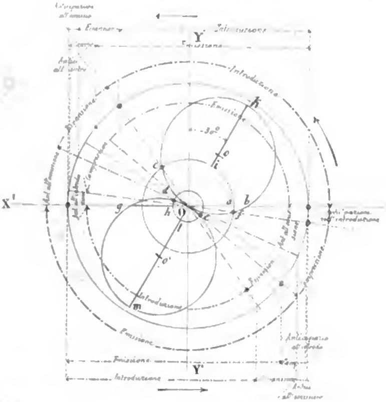


Fig 7a Scala di 1/20.

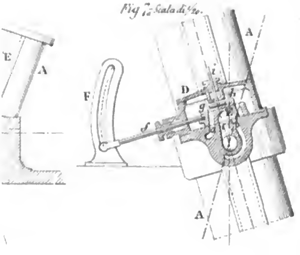


Fig. 7b (Scala di 1/20)

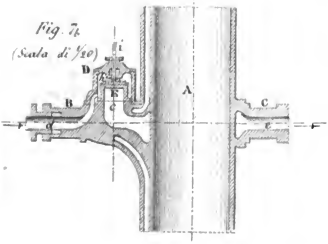
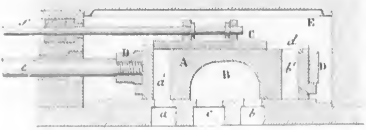


Fig. 1ª Scala di 1/6



F

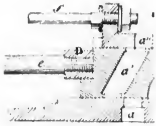


Fig. 3ª Scala di 1/6

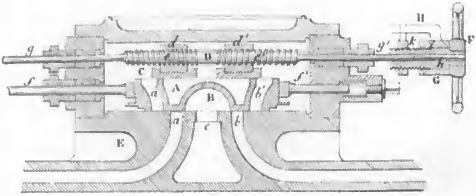


Fig. 6a Scala di 0m.282 per 1m

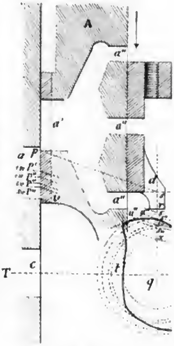


Fig. 5ª Scala di 1/6

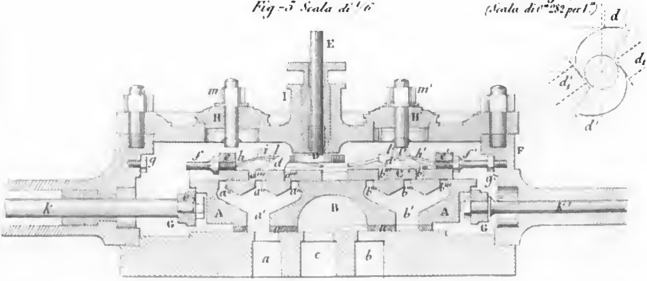


Fig. 6c (Scala di 0m.282 per 1m)

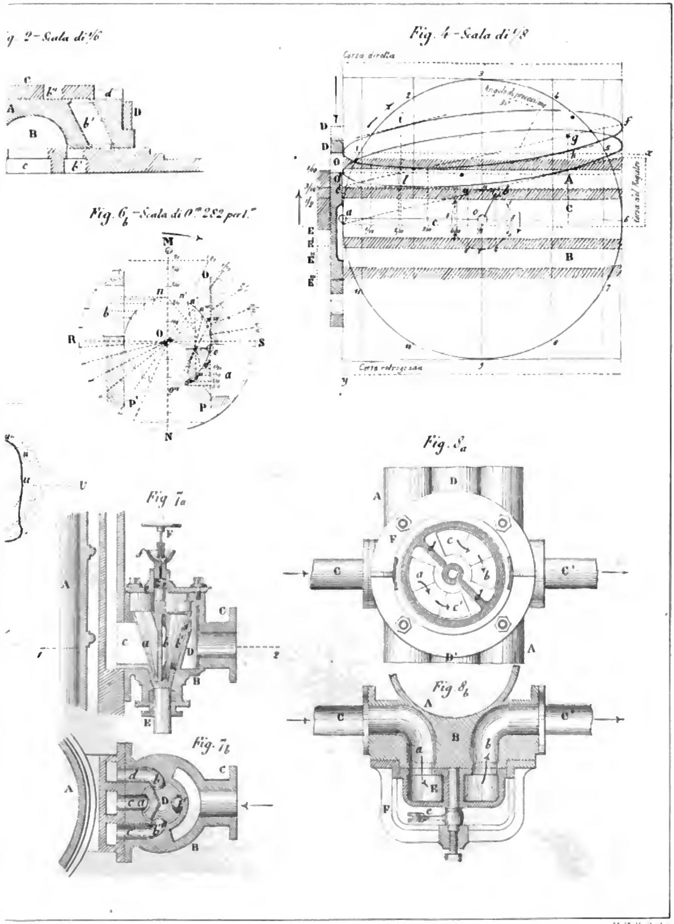
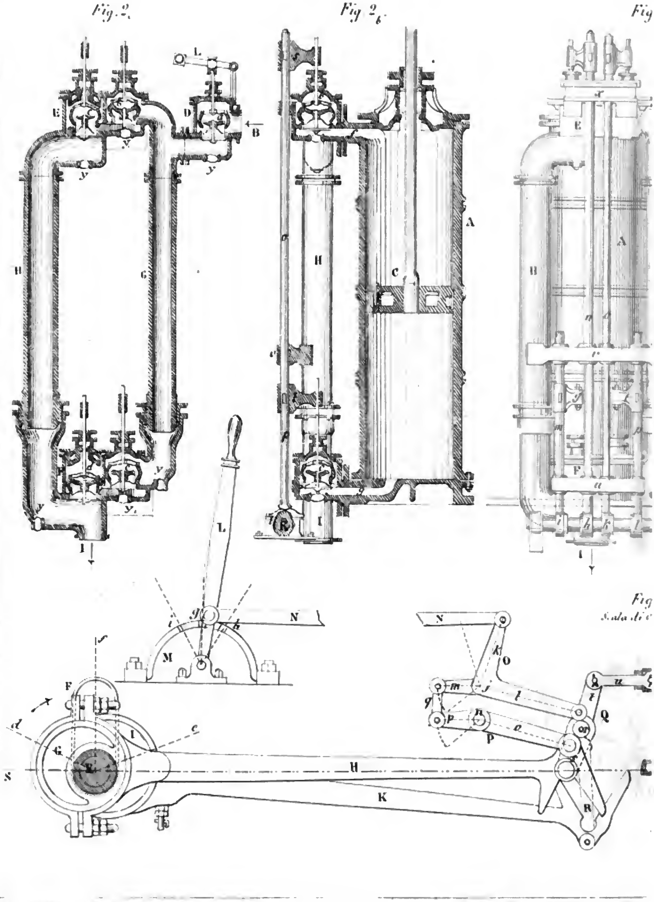
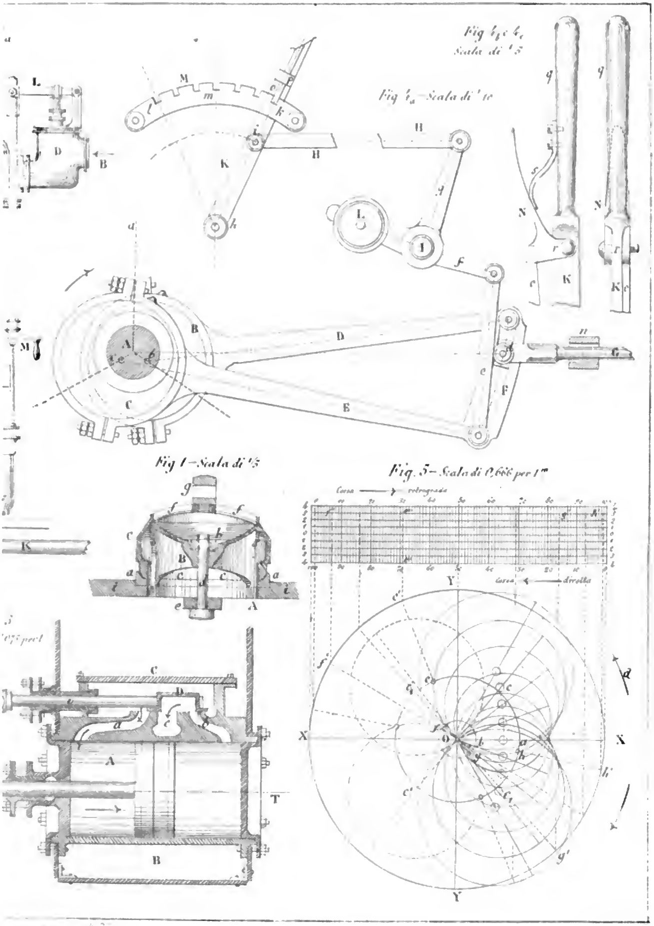
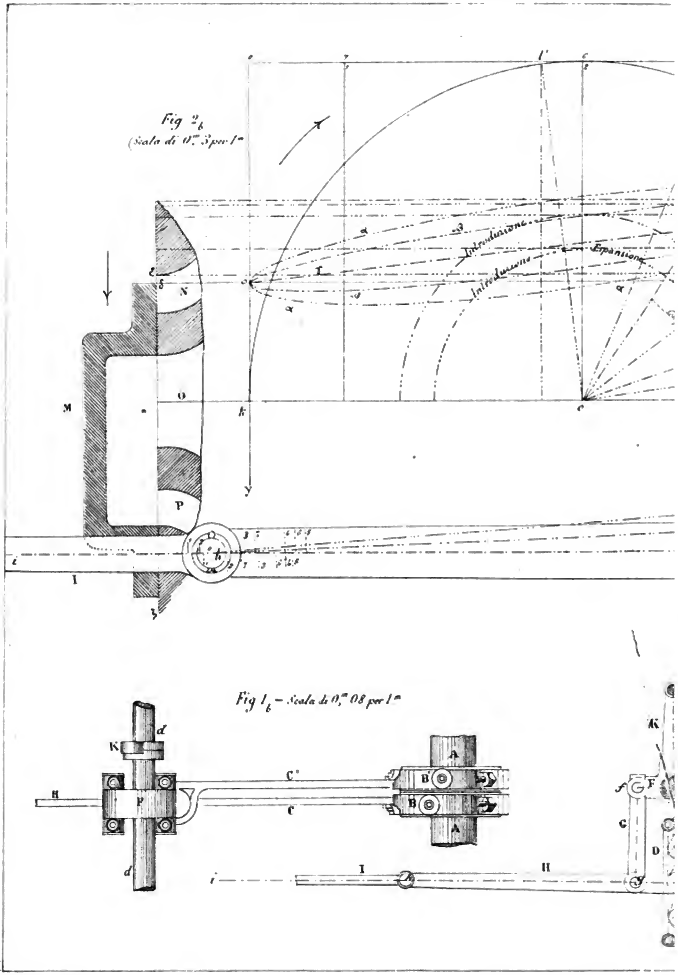


Fig. 2 - Scala di 1/6
Fig. 4 - Scala di 1/8
Corsa diretta
Corsa retrograda
Corsa del Regolo
Fig. 6 - Scala di 0.m 282 per 1.m
Fig. 7a
Fig. 7b
Fig. 8a
Fig. 8b


Fig. 2.
Fig. 2b.
Fig
L
D
B
E
y
H
G
I
A
C
R
M
N
F
K
S
O
P
Q
Fig
Scala di


Fig 4b e 4c
Scala di 1/5
Fig 4a - Scala di 1/10
Fig 1 - Scala di 1/5
Fig. 5 - Scala di 0,666 per 1m
Corsa retrograda
Corsa diretta



Carena dis.
Torino Lit. P. Briola Via S. Fran…

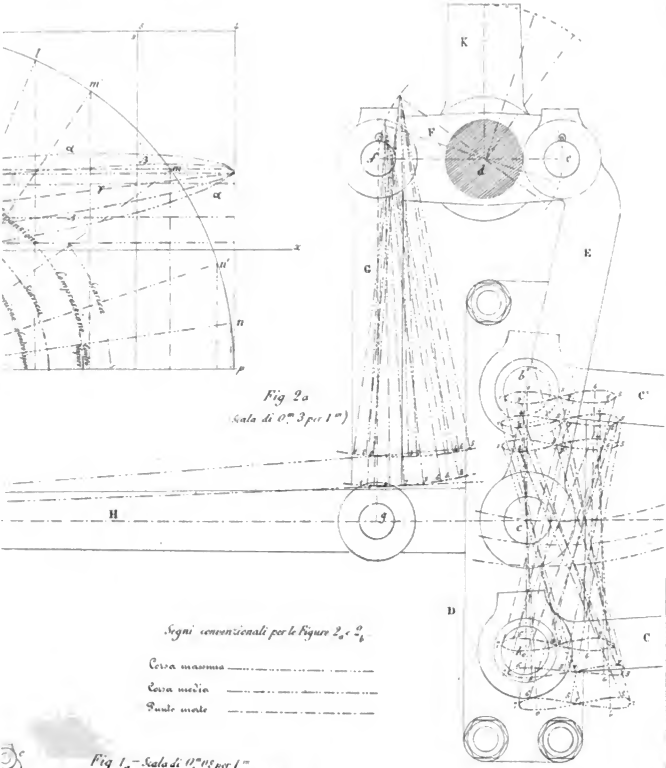


Fig 2a
(Scala di 0.m 3 per 1.m)

Segni convenzionali per le Figure 2a e 2b

Corsa massima ....

Corsa media ....

Punto morto ....

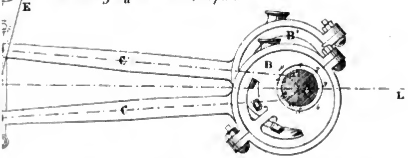
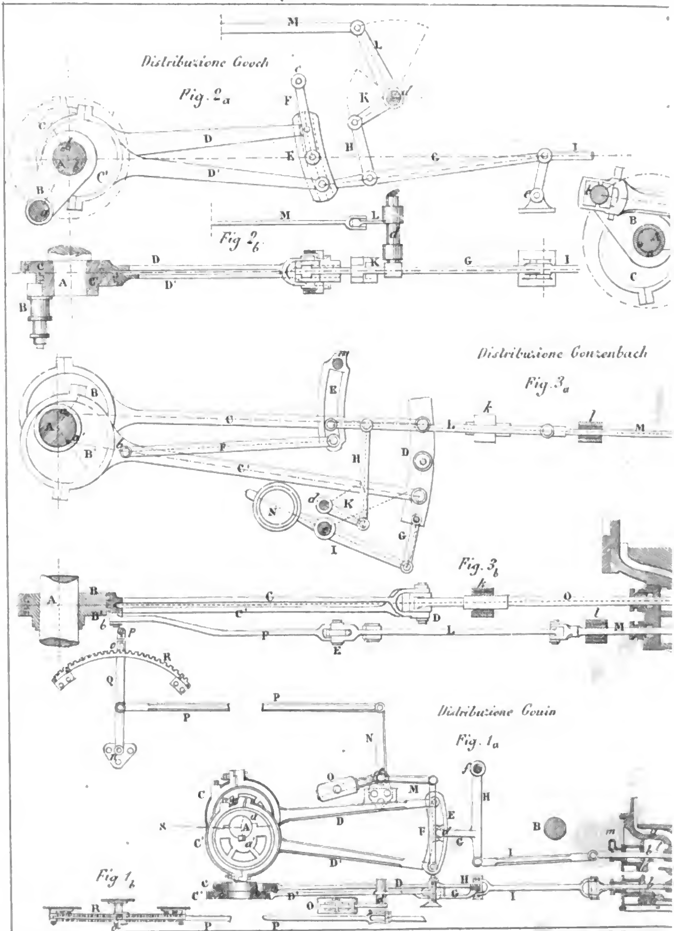
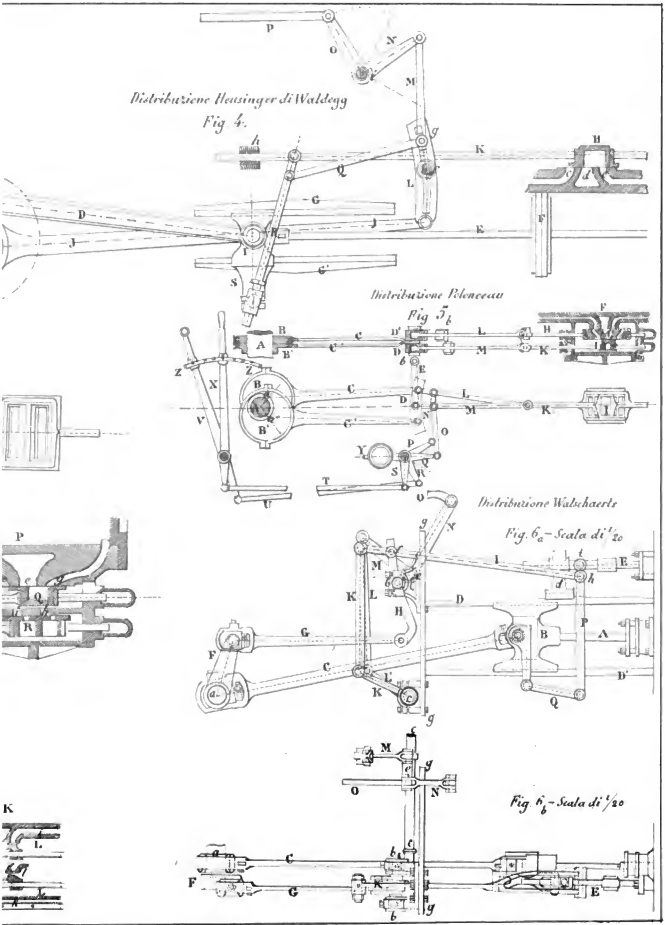


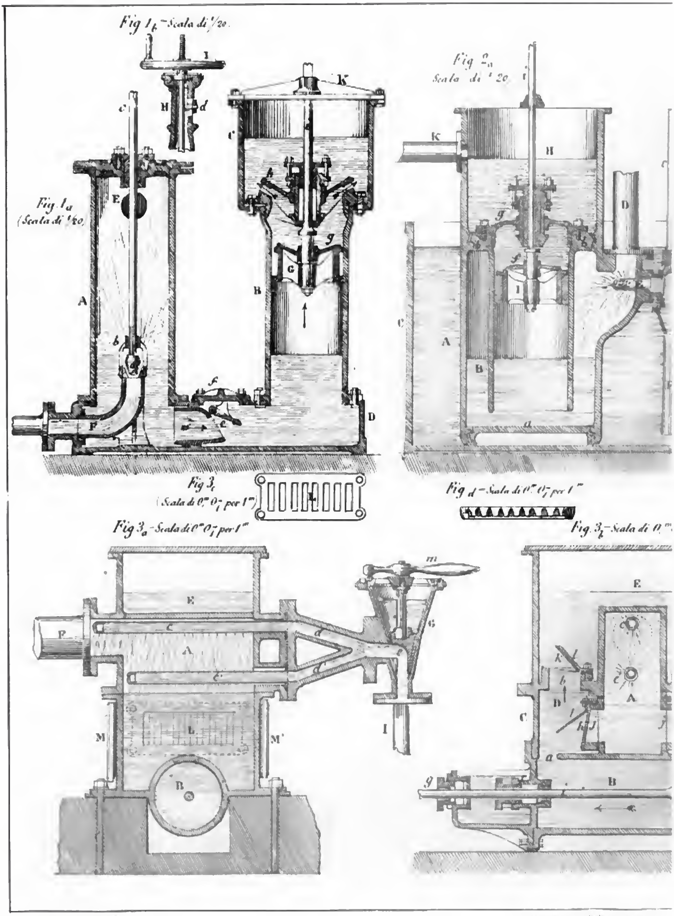
Fig 1a – Scala di 0.m 08 per 1.m



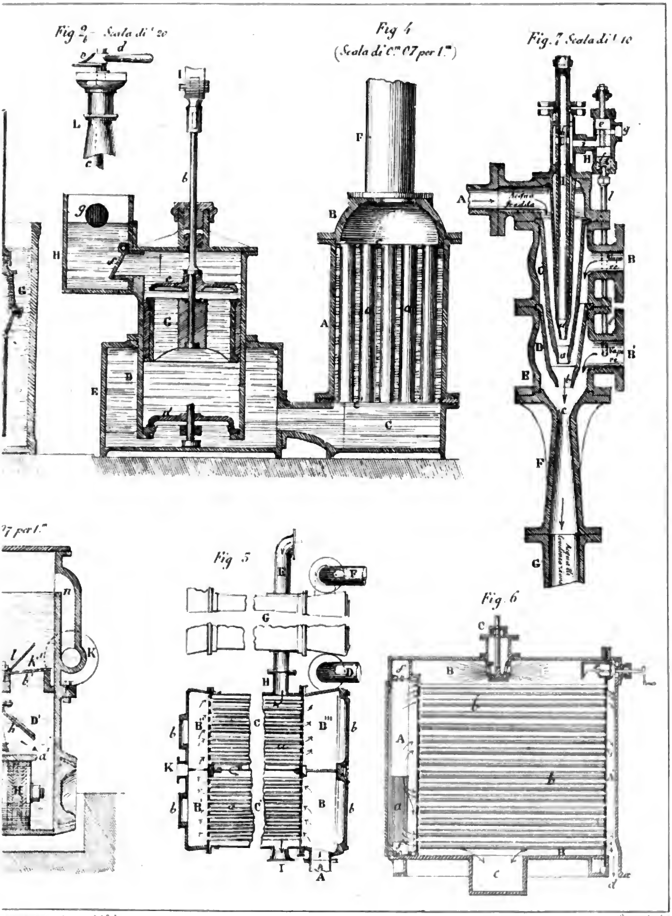
Zannini Giuseppe dis.

Torino Lit P. Briola

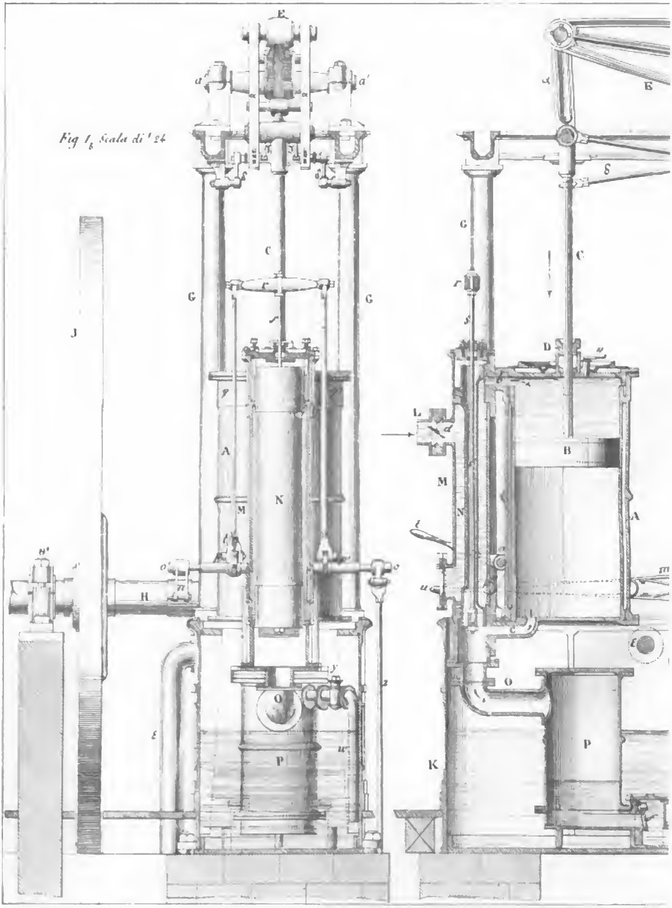

Distribuzione Heusinger di Waldegg
Fig. 4.
Distribuzione Polonceau
Fig. 5_b
Distribuzione Walschaerts
Fig. 6_a - Scala di 1/20
Fig. 6_b - Scala di 1/20



Vandelli Anacleto dis


Fig 4
(Scala di C.mi 07 per 1.m)
Fig. 7 Scala di 1/10
Fig 5
Fig 6
A
B
C
D
E
F
G
H
K

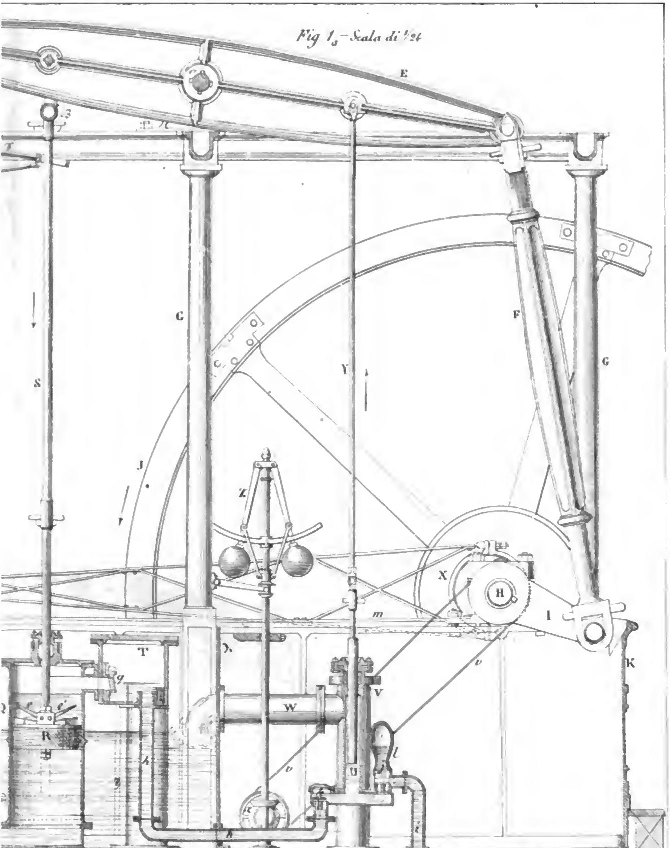
MACCHINA A VAPORE A BASSA P



Cesare Rannacio dis

Torino Lit P

Fig 1a – Scala di 1/24



MACCHINA A VAPORE VERTICALE A TRASMISSIONE DI

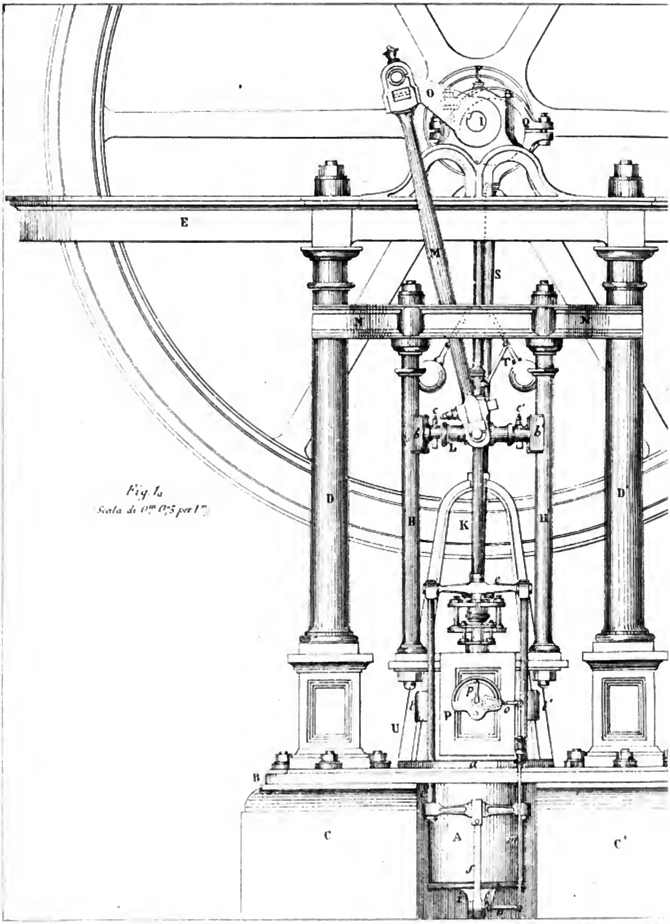


Fig. 1a
Scala di 0m 0,5 per 1m

Torino Lit. P. Brosa

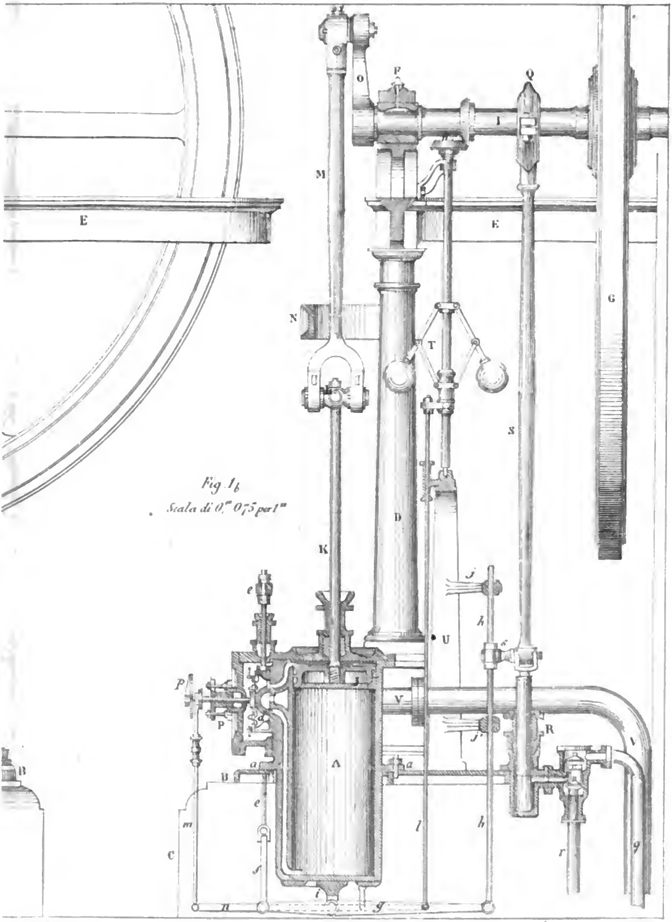


Fig. 1b
Scala di 0,m 075 per 1m

MACCHINA A VAPORE ORIZZONTALE, AD ESPANSIONE VARIABI...

Fig 1a – Scala di 1/20

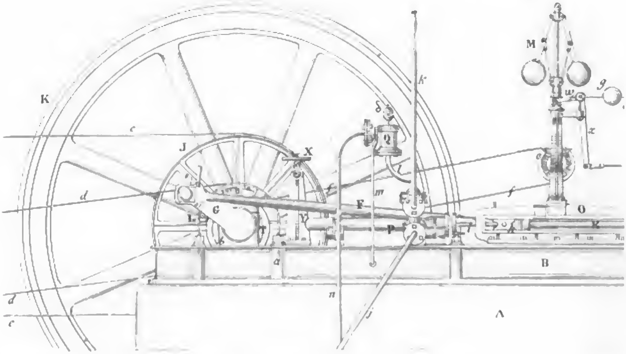


Fig 1 – Scala di 0m 0,5 per 1m

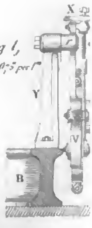
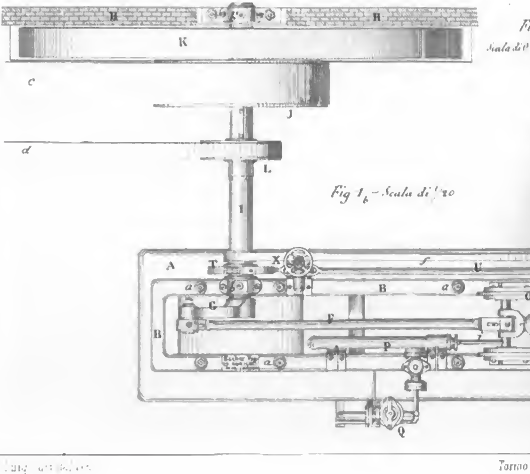


Fig 1b – Scala di 1/20



Torino Lit. P. Briola Via ...

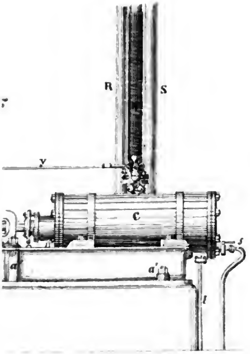


Fig. 1c – Scala di 0.m075 per 1.m

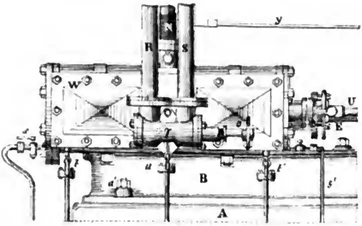


Fig. 1d – Scala di 0.m075 per 1.m

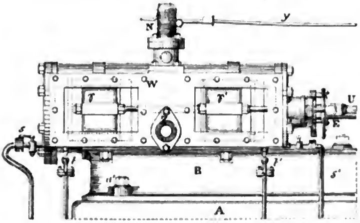
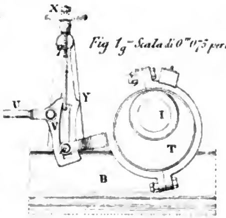


Fig. 1g – Scala di 0.m075 per 1.m



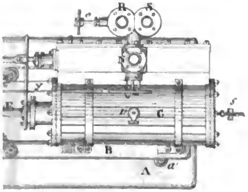


Fig. 1e – Scala di 0.m075 per 1.m

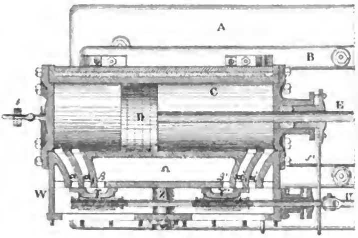
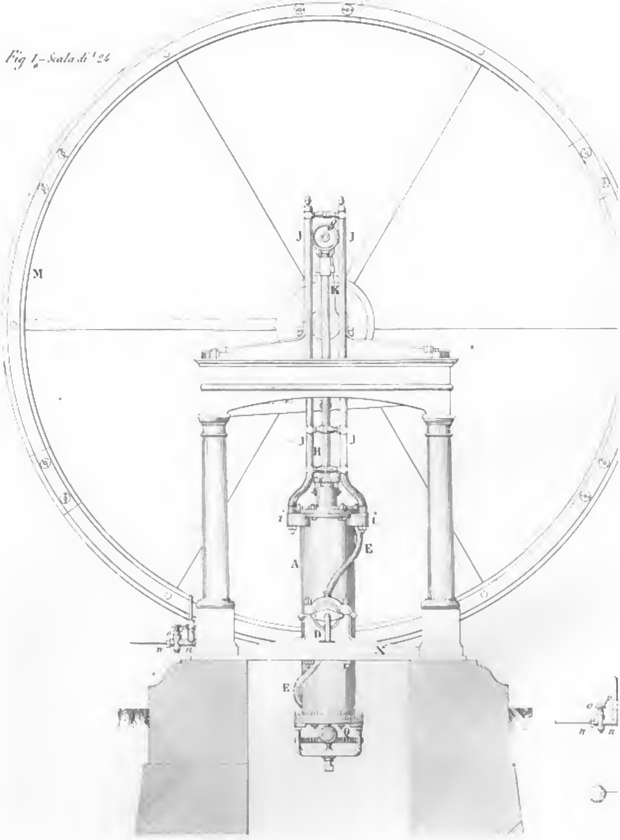


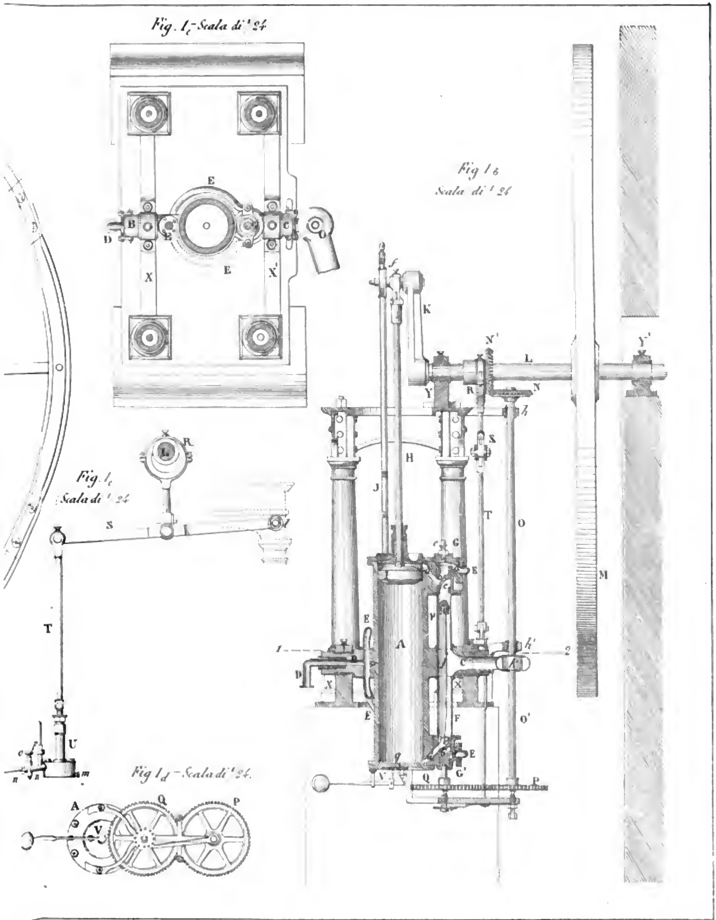
Fig 1 – Scala di 1/24



Luigi Maze dis

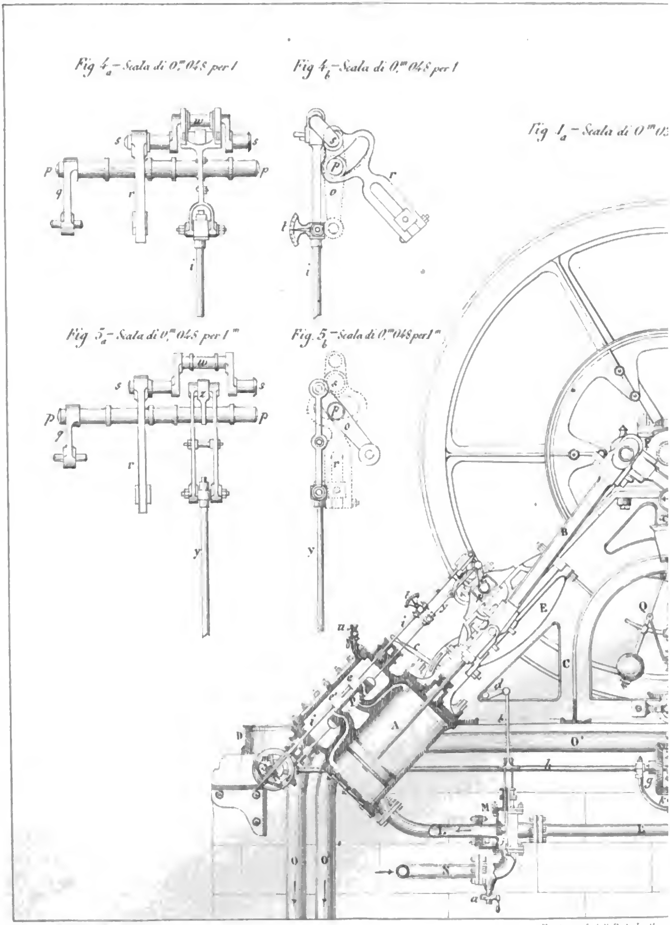
Lit P Bricola Via S Francesco

CILINDRO OSCILLANTE, CON ESPANSIONE E SENZA CONDENSAZIONE, DI CAVÈ **Tav. XXXVII**



Francesco d'Assisi N° 22 dis. M. Vallelt Aut

MACCHINA A VAPORE A CILINDRI INCLINATI, E AD



Ernesto Melis-Thermes dis

Torino Lit P Briola Via

Fig. 2b – Scala di 0.m048 per 1

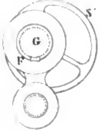
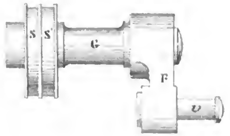


Fig. 2a – Scala di 0.m048 per 1.m



84 per 1.m

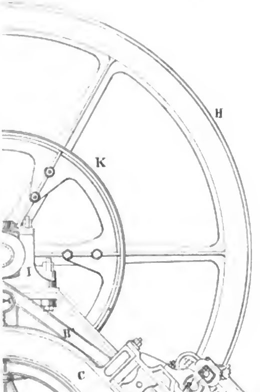
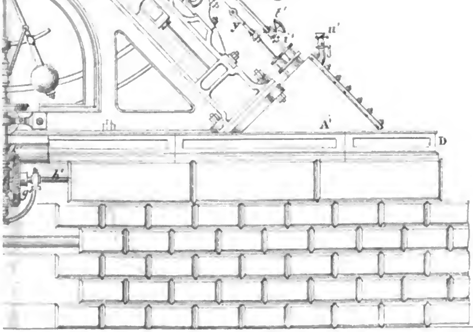
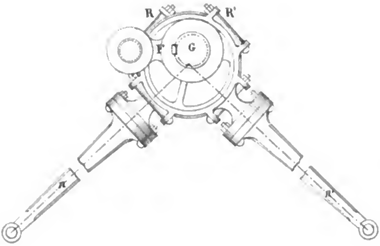
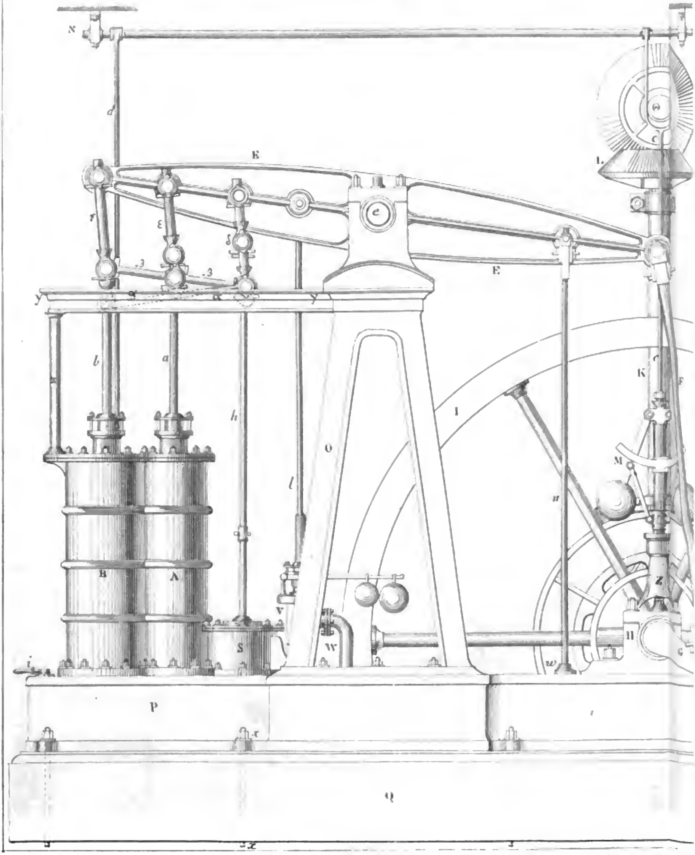



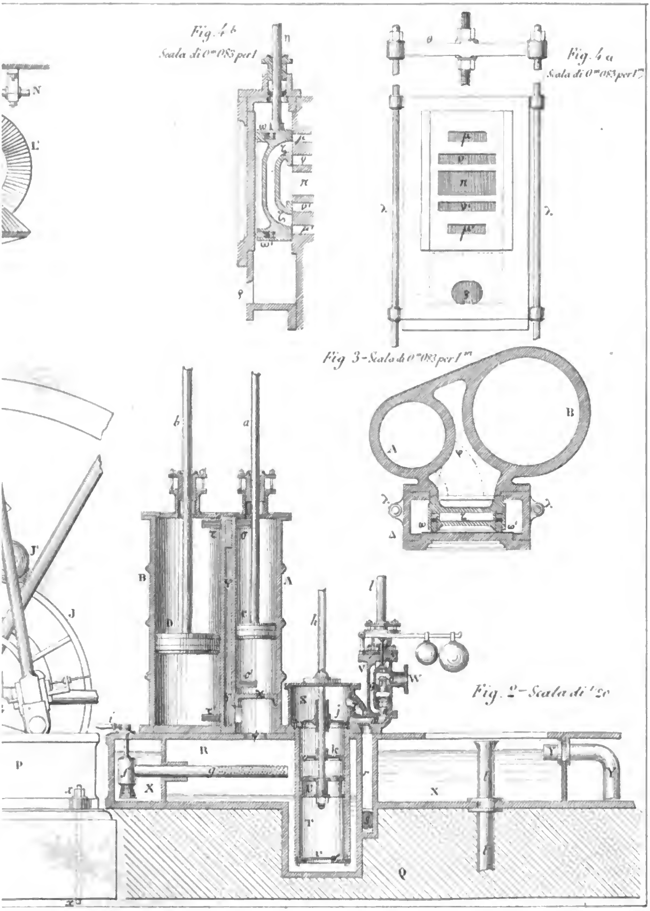
Fig. 3 – Scala di 0.m048 per 1.m



Francesco d A[illegible] lit. M Valle[illegible]

Fig. 1 - Scala di 1/20




Fig. 4 b
Scala di 0m 083 per 1
Fig. 4 a
Scala di 0m 083 per 1m
Fig. 3 - Scala di 0m 083 per 1m
Fig. 2 - Scala di 1/20

MACCHINA A VAPORE PORTATILE DELLA R. S

Fig. 1a – Scala di 1/20

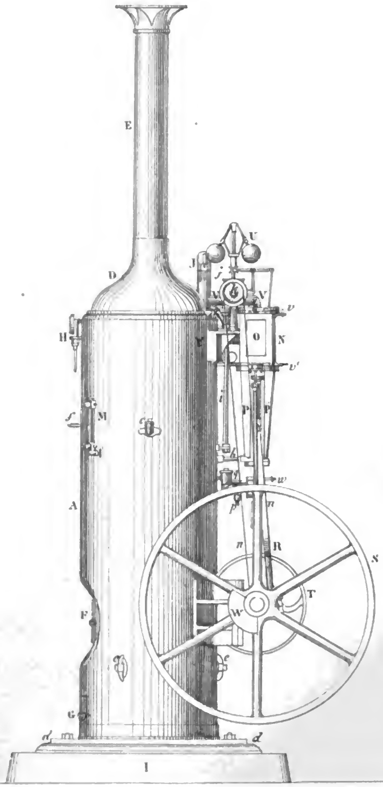
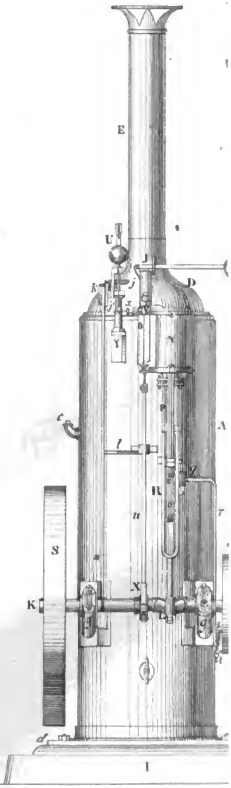


Fig. 1b – Scala di 1/20



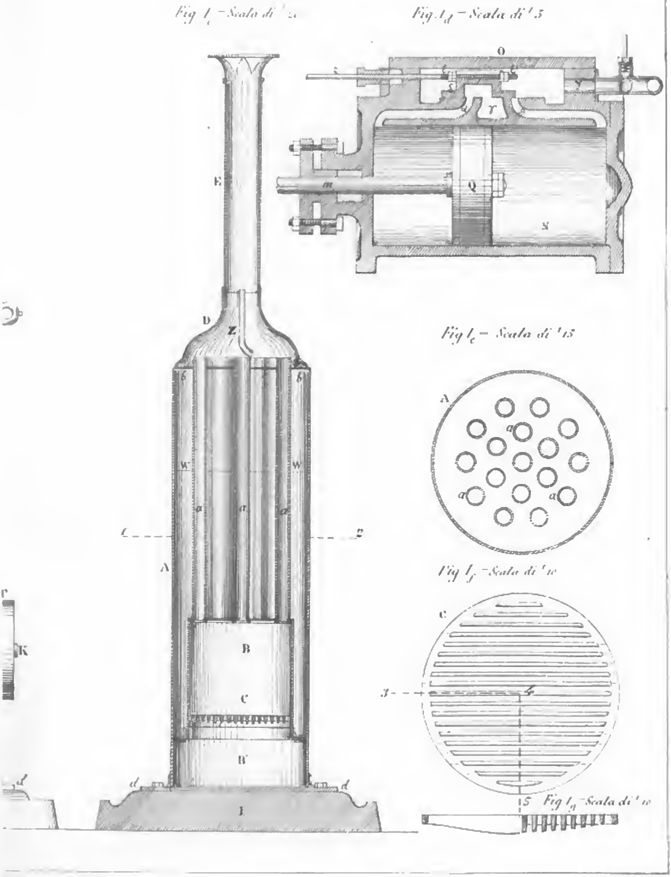

Fig 1c - Scala di 1/20
Fig. 1d - Scala di 1/5
Fig 1e - Scala di 1/15
Fig 1f - Scala di 1/10
Fig 1g - Scala di 1/10

Fig 1a - Scala di 1/25

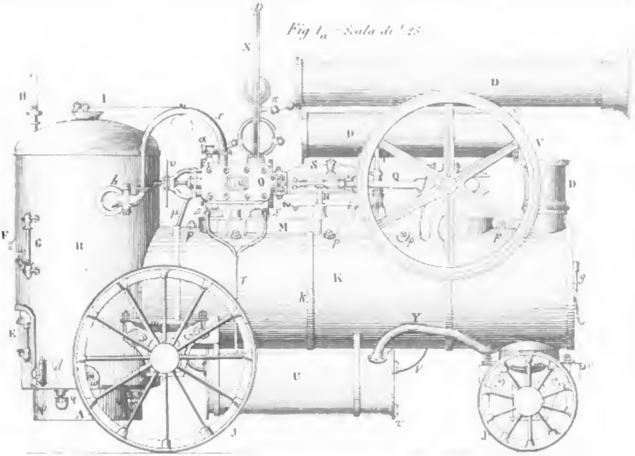
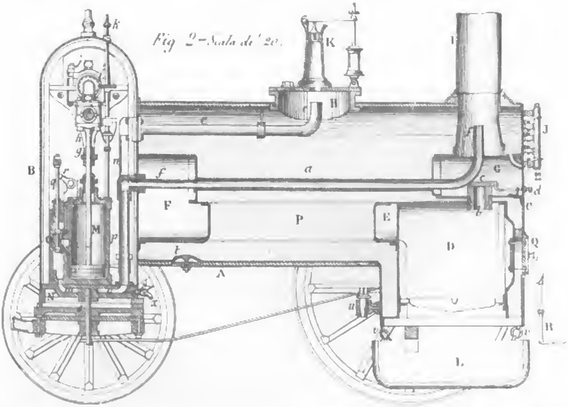


Fig 2 - Scala di 1/20



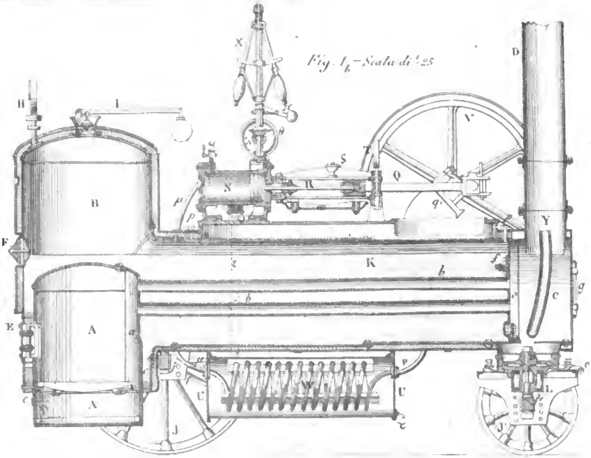
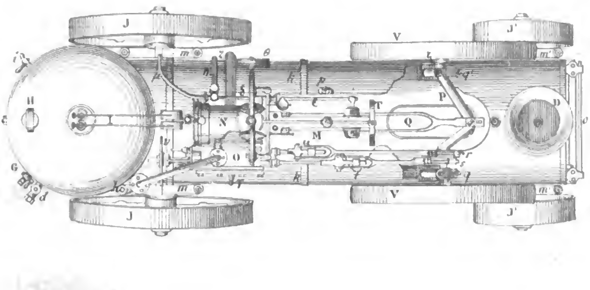
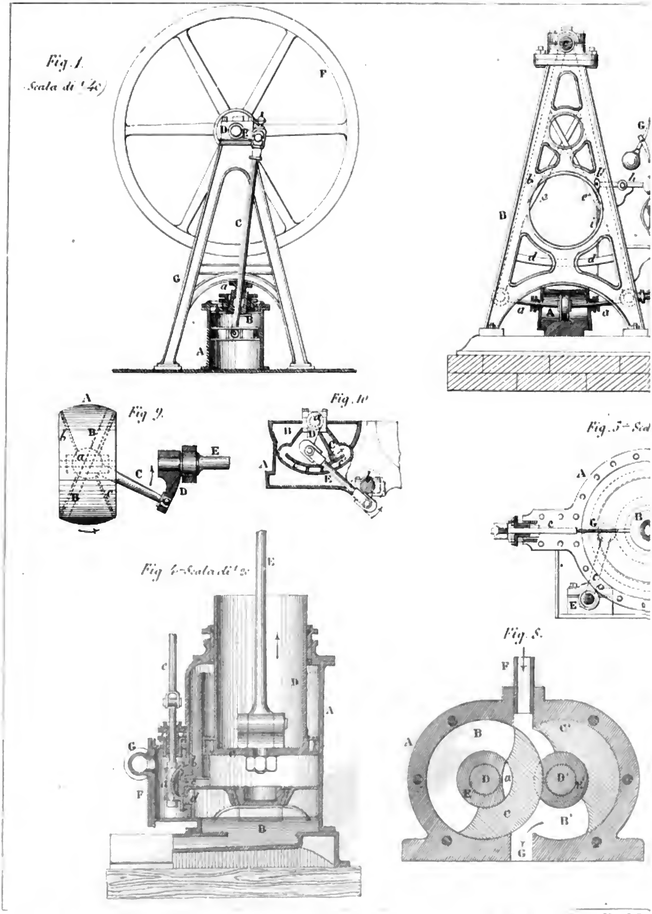


Fig. 1b – Scala di 1/25

Fig. 1c – Scala di 1/25





Alberto Beruzzi dis

Fig. 2 — Scala di 1/15.

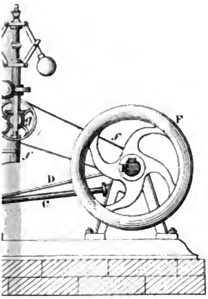
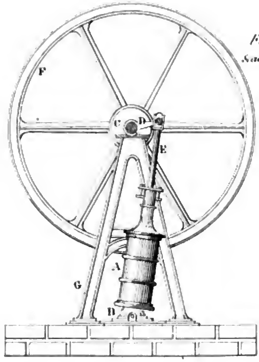


Fig. 3a Scala di 1/50



[...]la di 1/15

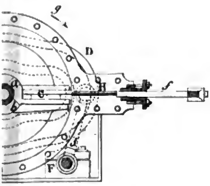


Fig. 3b — Scala di 1/20.

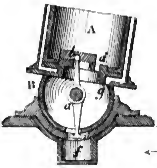


Fig. 3c — Scala di 1/20.

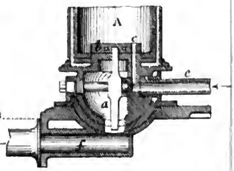


Fig. 6 — Scala di 1/20

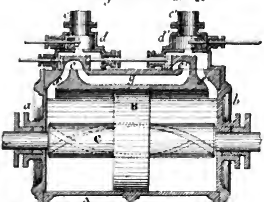
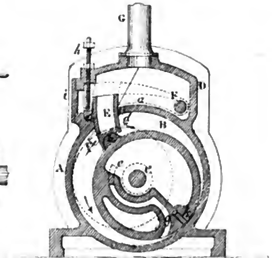
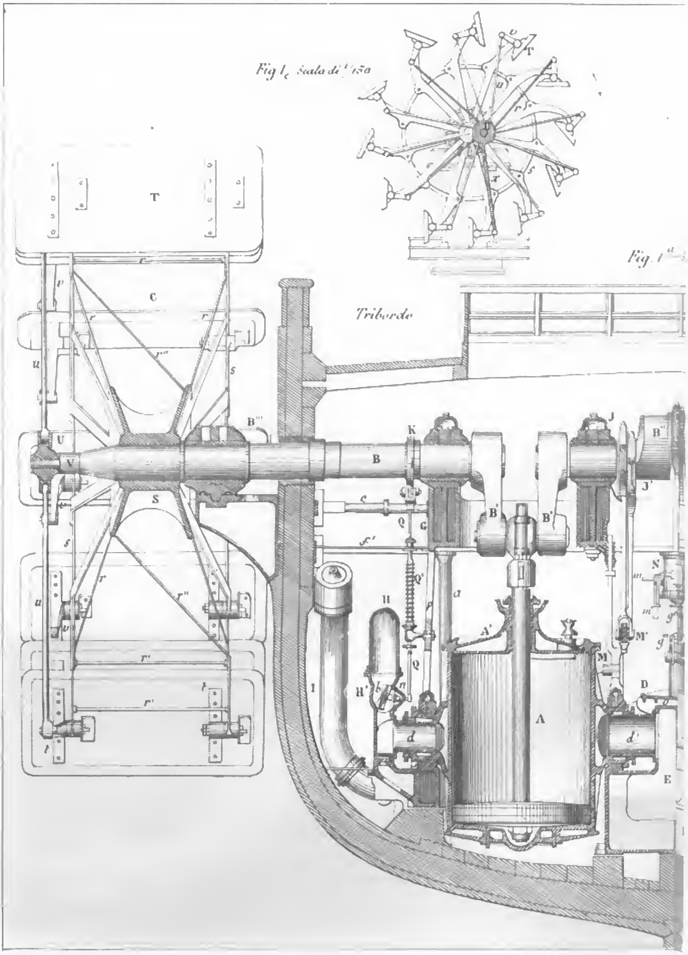


Fig. 7 — Scala di 1/15.

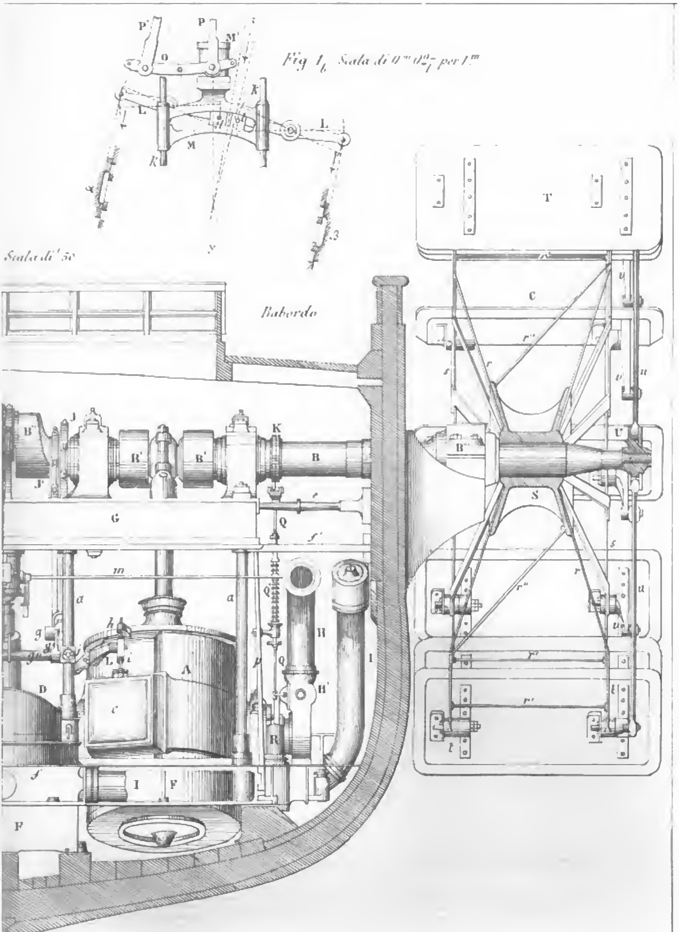


MACCHINA A VAPORE MARINA A



Giacomino Rossi dis

Torino Lit. P. Bruola Via



Francesco d'Assisi N° 22

M Valletti Lit

MACCHINA A VAPORE MARINA A

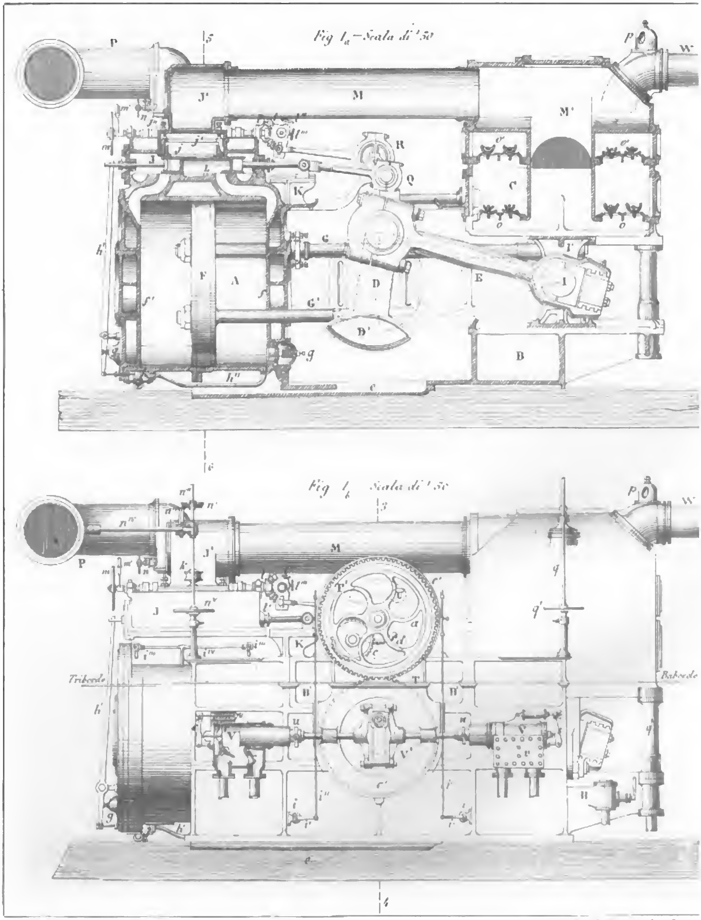


Fig. 1a — Scala di 1/50

Fig. 1b — Scala di 1/50

TIRANTE MOTORE CAPOVOLTO PER BATTELLO AD ELICE. Tav. XLIV

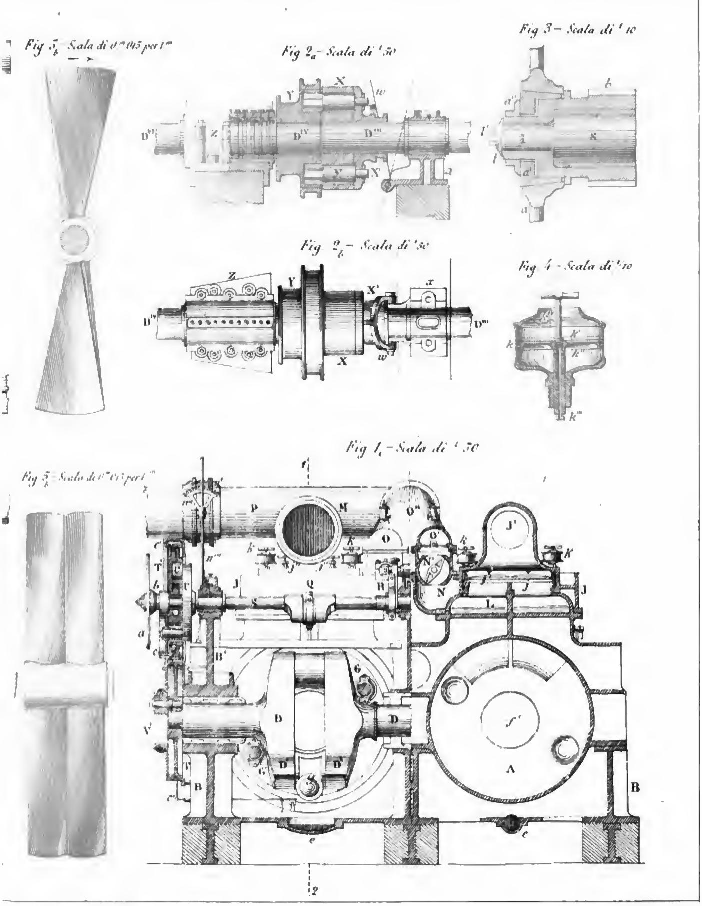
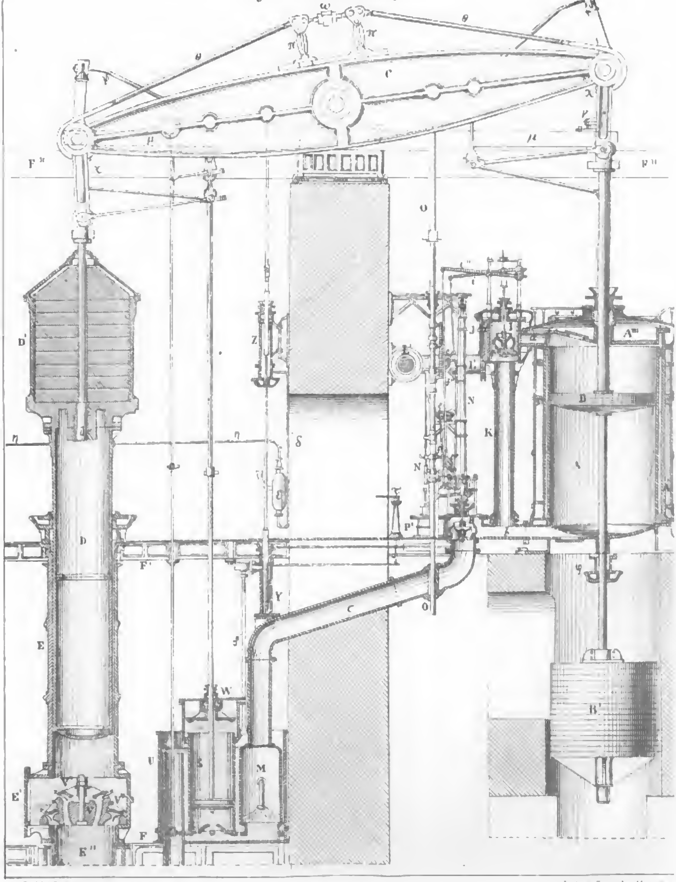


Fig. 1 – Scala di 0.m015 per 1.m



G. V. Calona dis.

Lit. ... Vallardi

Fig 3ª – Scala di 1/25

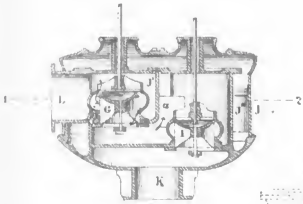


Fig 2ᵦ – Scala di 1/25

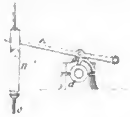


Fig 3ᵦ – Scala di 1/25

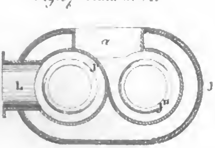


Fig 4 – Scala di 1/10

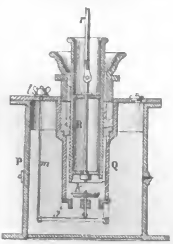


Fig 2ₐ Scala di 1/25

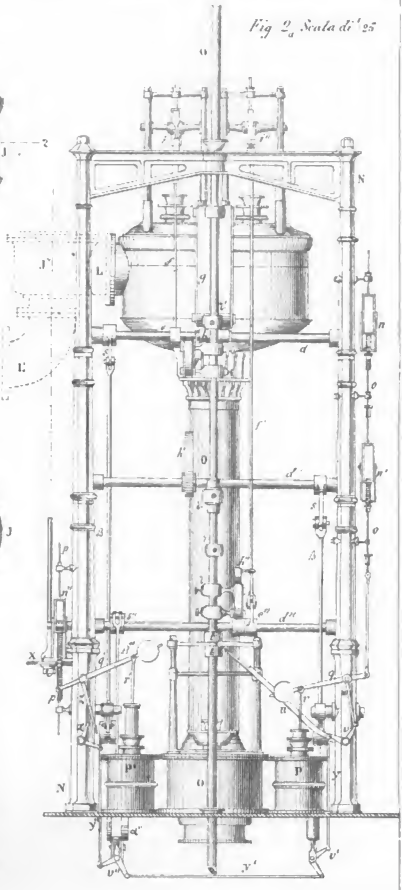




Fig. 1a Scala di

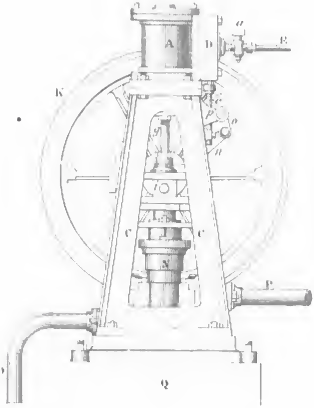


Fig. 1

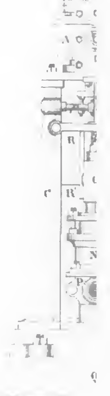
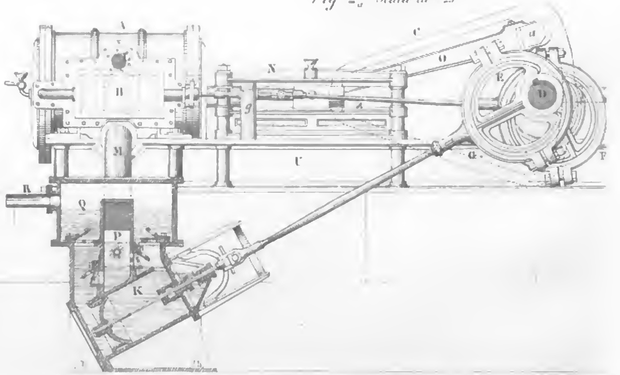
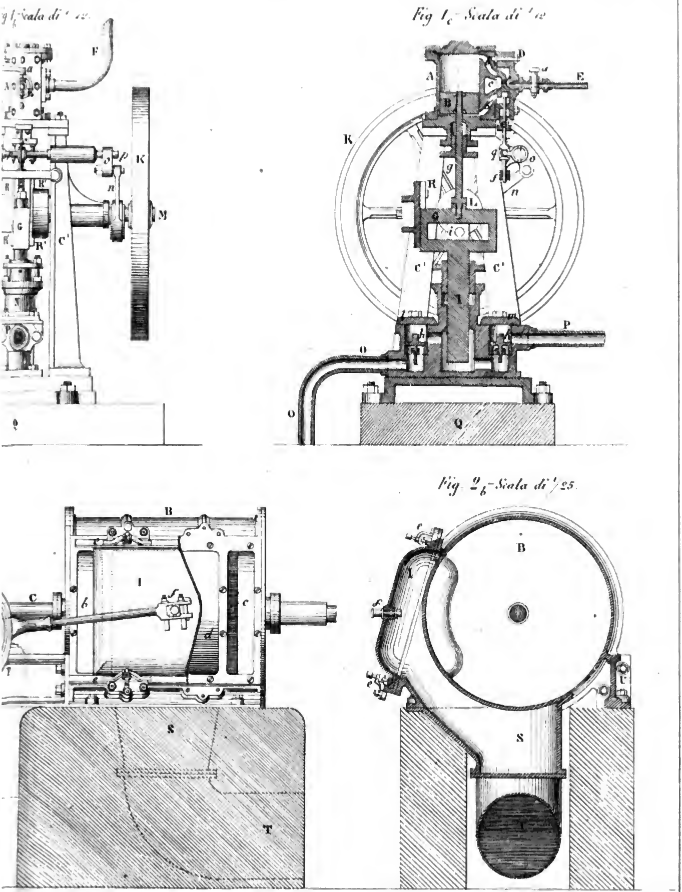
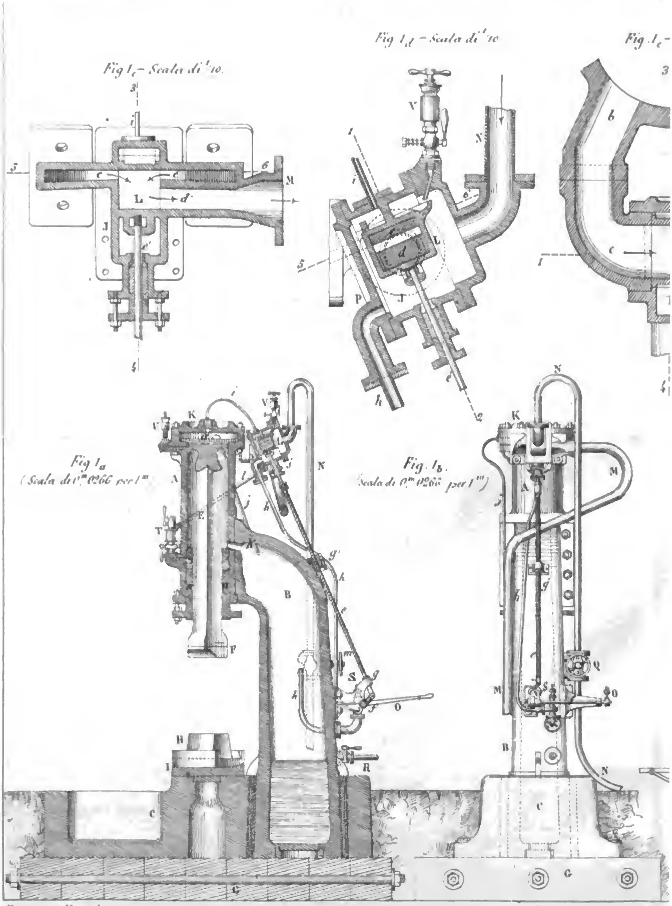


Fig. 2a - Scala di 1/25

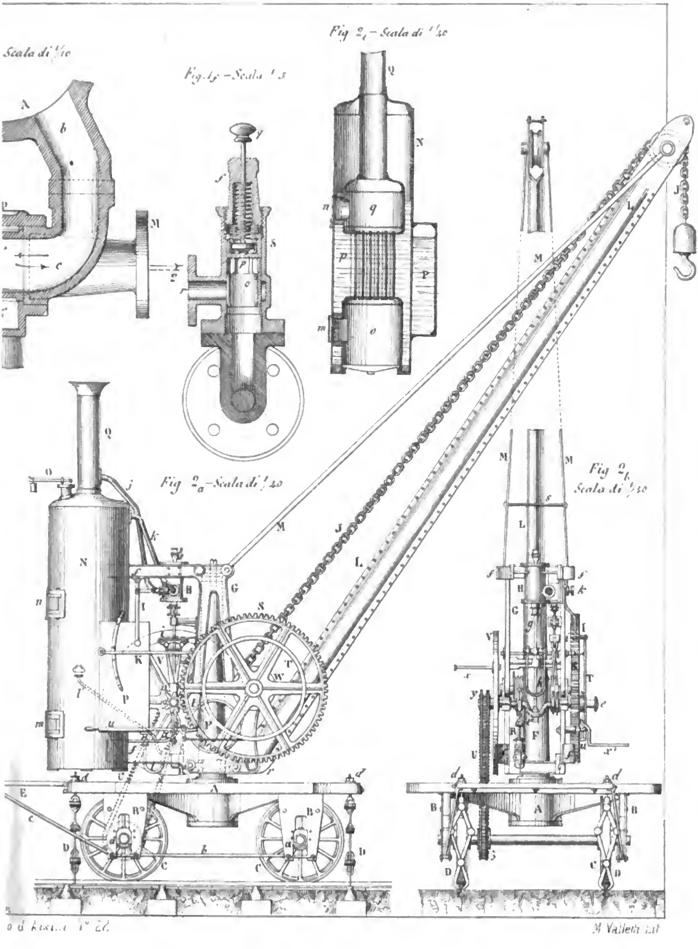



Fig 1_b - Scala di 1/12
Fig 1_c - Scala di 1/12
Fig 2_b - Scala di 1/25

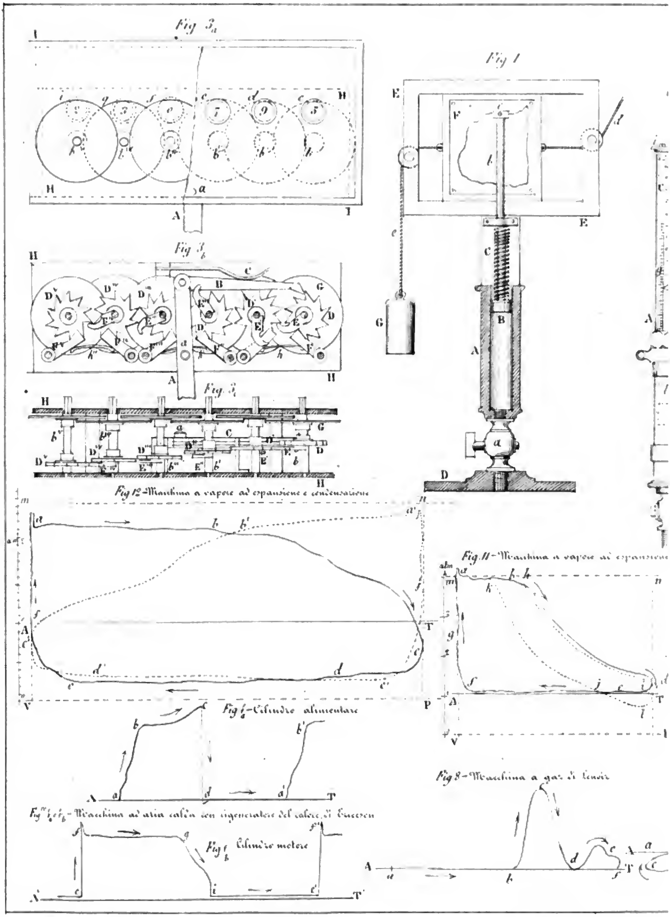


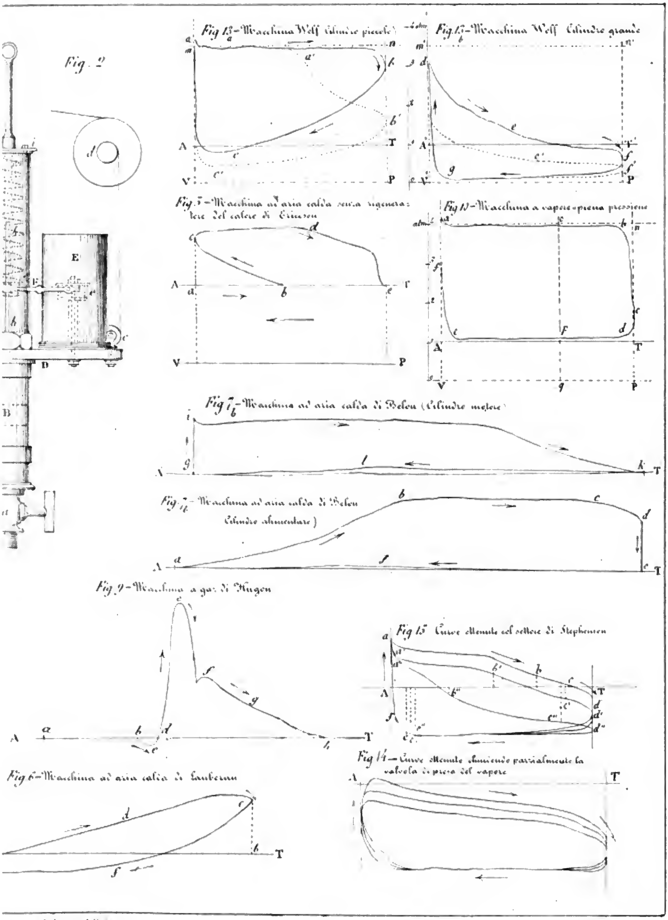
Francesco Mora dis.

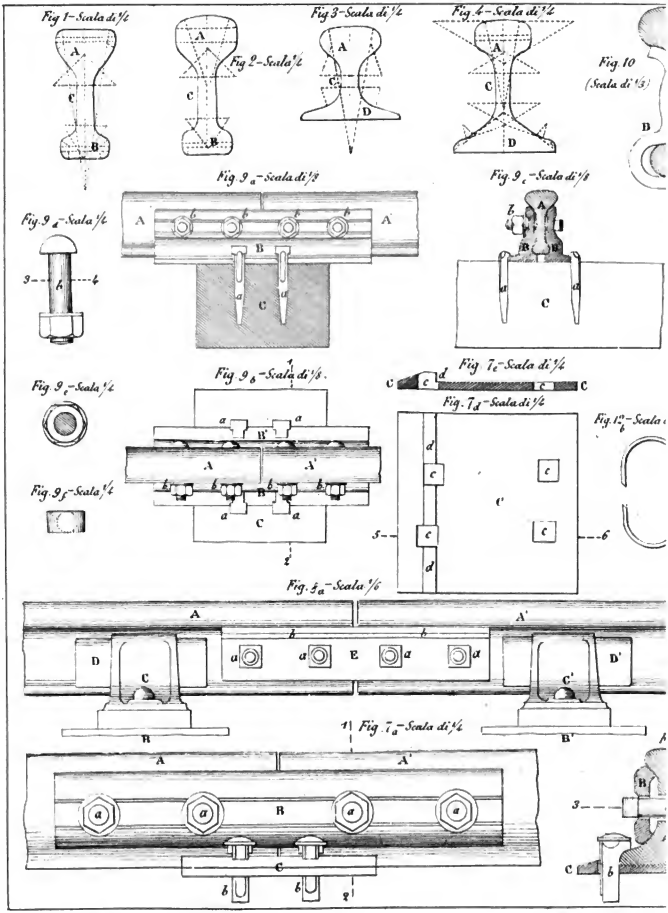
Lit P. Briola Via S. Frances



o d. Asta... N° 27. M. Valletti lit.

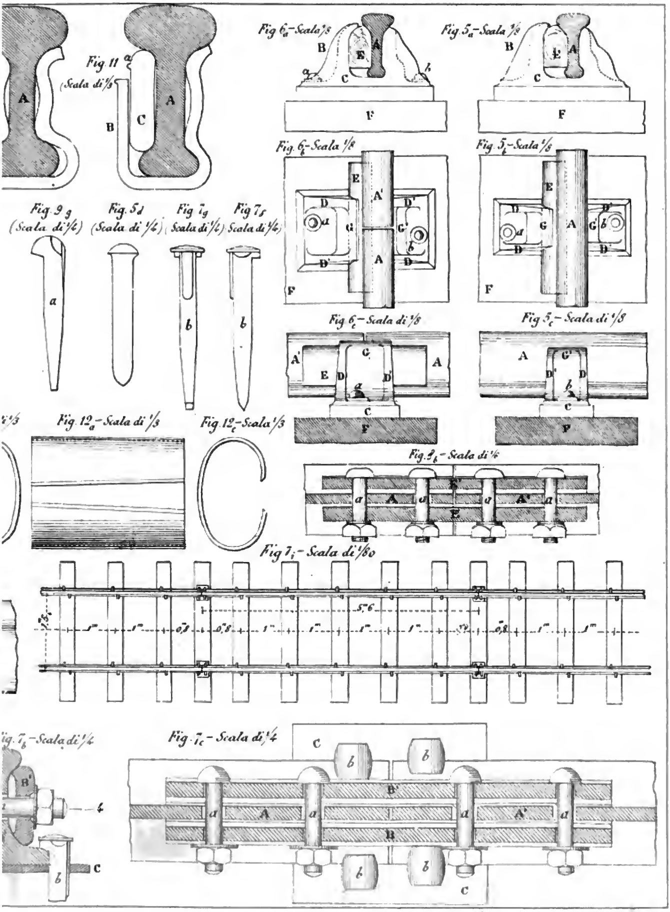

Fig 3a
Fig 1
Fig 3b
Fig 3c
Fig 12 - Macchina a vapore ad espansione e condensazione
Fig 11 - Macchina a vapore ad espansione
Fig 4a - Cilindro alimentare
Fig 8 - Macchina a gas di Lenoir
Fig 4b - Cilindro motore

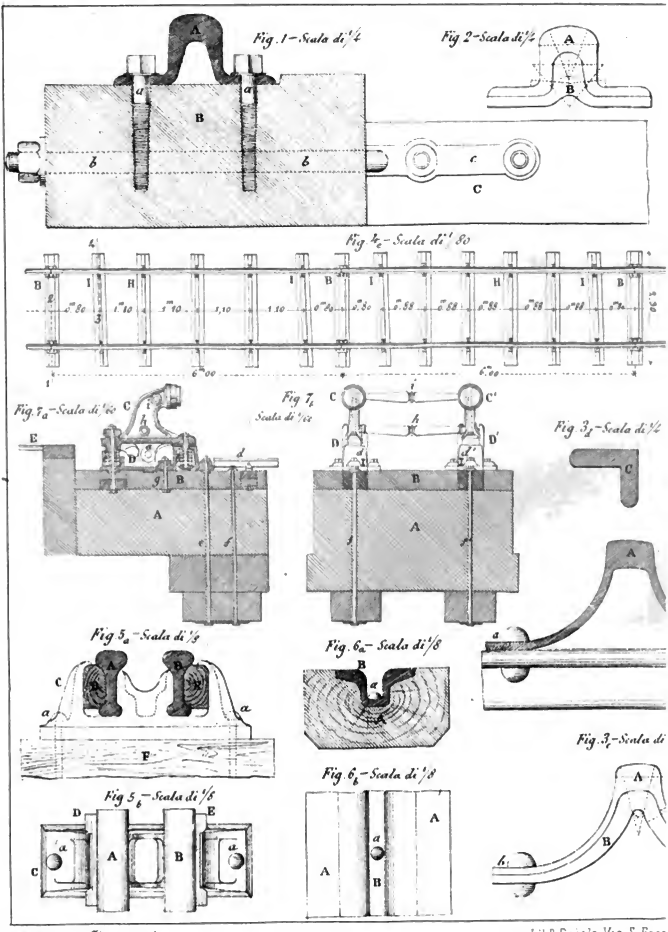

Fig. 2
Fig 13a – Macchina Wolf (cilindro piccolo)
Fig 13b – Macchina Wolf Cilindro grande
Fig 5 – Macchina ad aria calda senza rigeneratore del calore di Ericsson
Fig 11 – Macchina a vapore a piena pressione
Fig 7b – Macchina ad aria calda di Belou (Cilindro motore)
Fig 7a – Macchina ad aria calda di Belou (Cilindro alimentare)
Fig 9 – Macchina a gaz di Hugon
Fig 15 Curve ottenute col settore di Stephenson
Fig 14 – Curve ottenute chiudendo parzialmente la valvola di presa del vapore
Fig 6 – Macchina ad aria calda di Laubereau



Alfonso Cerelli dis

Torino Lit P. Briola Via


Fig. 11 (Scala di 1/5)
Fig. 6a - Scala 1/8
Fig. 5a - Scala 1/8
Fig. 6b - Scala 1/8
Fig. 5b - Scala 1/8
Fig. 9g (Scala di 1/4)
Fig. 5d (Scala di 1/4)
Fig. 7g Scala di 1/4
Fig. 7f Scala di 1/4
Fig. 6c - Scala di 1/8
Fig. 5c - Scala di 1/8
Fig. 12a - Scala di 1/3
Fig. 12c - Scala 1/3
Fig. 7i - Scala di 1/80
Fig. 7b - Scala di 1/4
Fig. 7c - Scala di 1/4



Magnaghi Giuseppe dis.

Lit P Briola Via S Fran

Fig. 4a (Scala di 1/4)

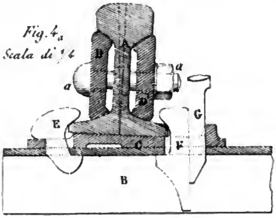


Fig. 4c (Scala di 1/4)

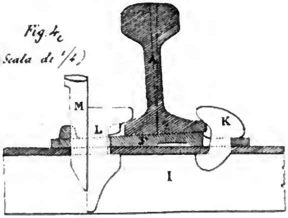


Fig. 4b – Scala di 1/4

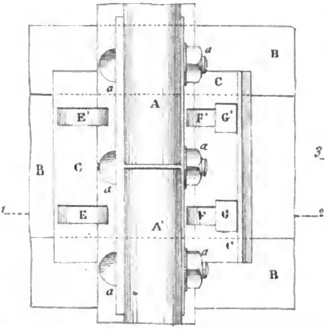


Fig. 4d – Scala di 1/4

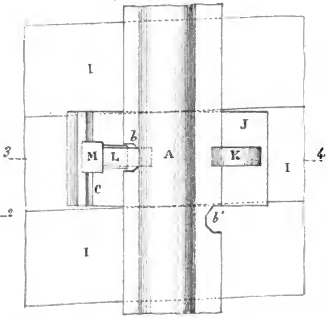


Fig. 3a – Scala di 1/4

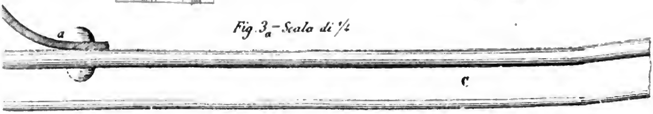
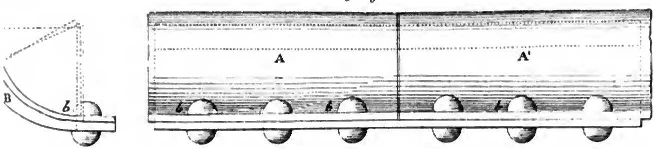
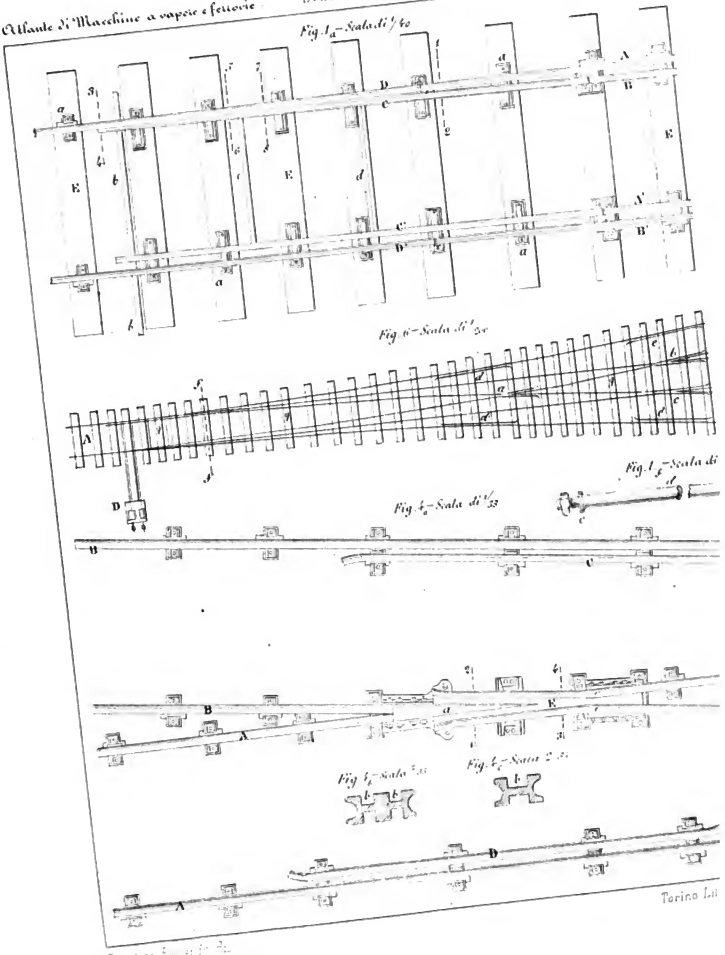


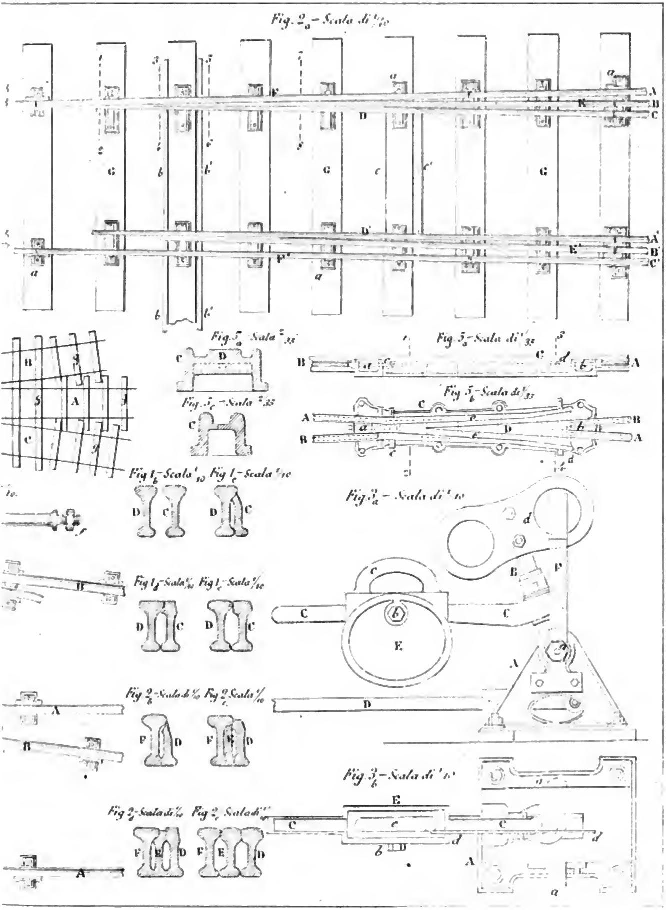
Fig. 3b – Scala di 1/4.



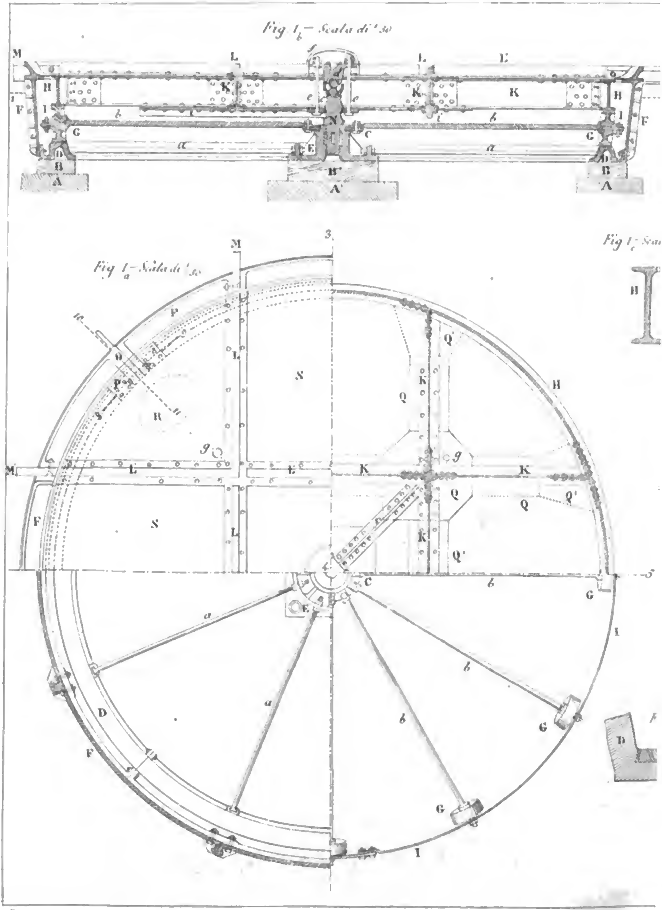


Torino Lit.

Teodoro Bossi lit.

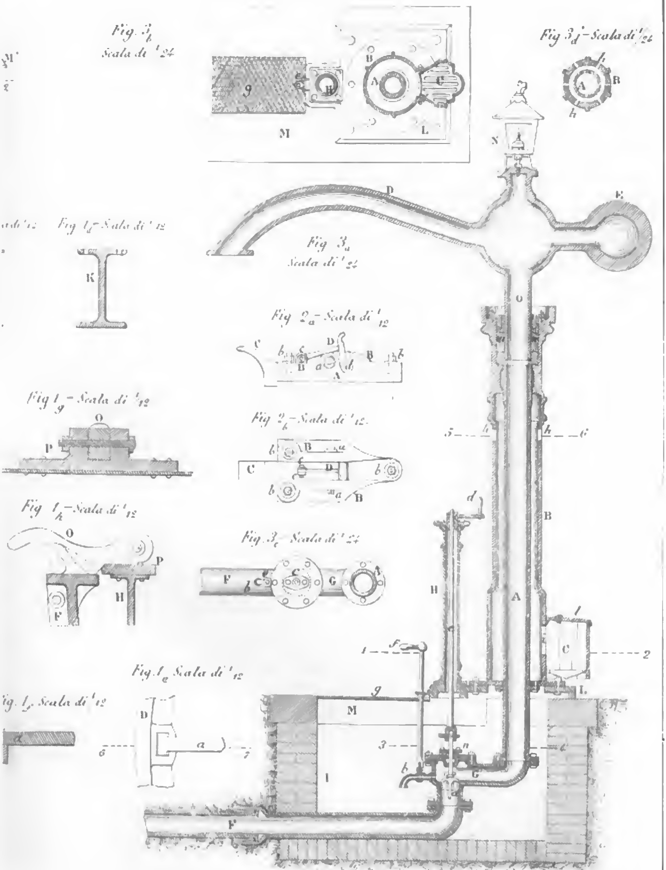

Fig. 2a – Scala di 1/10
Fig. 5a – Scala 2/33
Fig. 5c – Scala 2/33
Fig. 5a – Scala di 1/33
Fig. 5b – Scala di 1/33
Fig 1b – Scala 1/10
Fig 1c – Scala 1/10
Fig. 3a – Scala di 1/10
Fig 1d – Scala 1/10
Fig 1e – Scala 1/10
Fig 2b – Scala di 1/10
Fig 2c Scala 1/10
Fig. 3b – Scala di 1/10
Fig 2d – Scala di 1/10
Fig 2e Scala di 1/10

PIATTAFORMA GIREVOLE DI DIAMETI

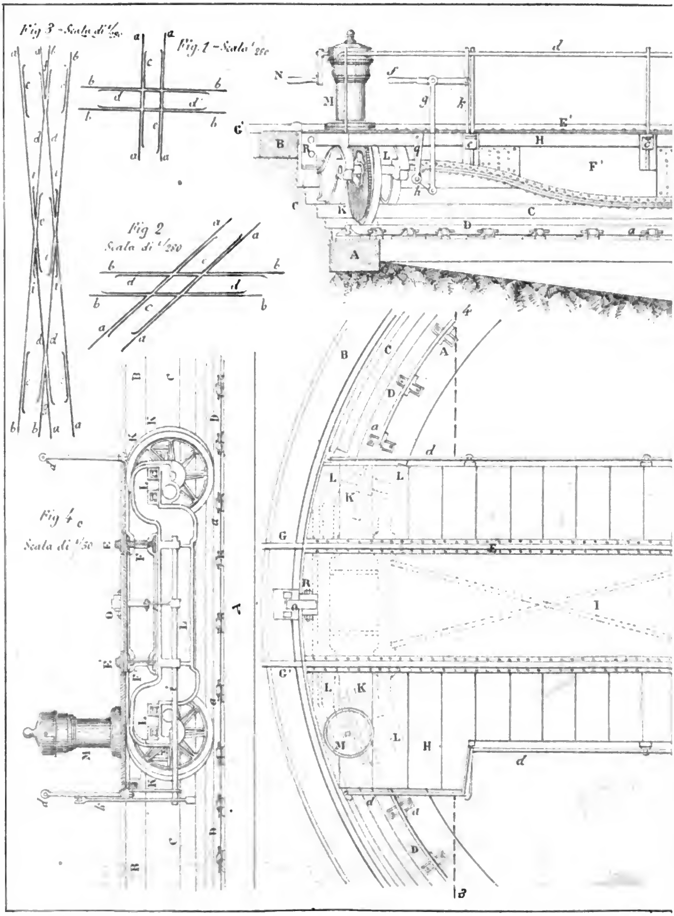


Piovano Luigi dis.

Lit P Briola Via S F


Fig. 3b Scala di 1/24
Fig. 3d - Scala di 1/24
Fig. 1d - Scala di 1/12
Fig. 3a Scala di 1/24
Fig. 2a - Scala di 1/12
Fig. 1g - Scala di 1/12
Fig. 2b - Scala di 1/12
Fig. 1h - Scala di 1/12
Fig. 3c - Scala di 1/24
Fig. 1e Scala di 1/12

TRAVERSATE E PIATTAFORMA GIREVOLE DI DIAMETR



Torre Giovanni dis.

Lit. P. Briola Via S. Fran

Fig. 4b - Scala di 1/50

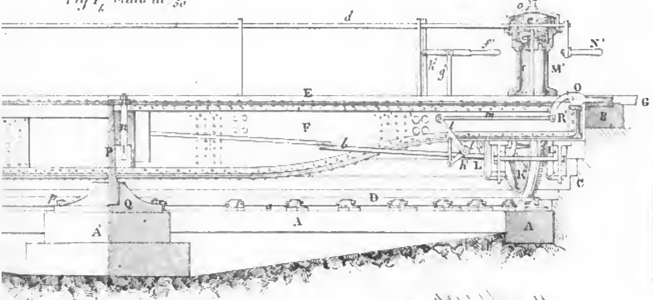
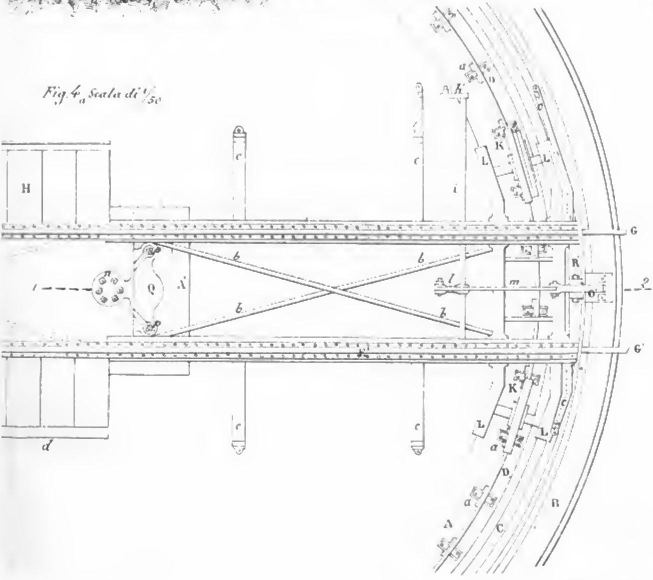
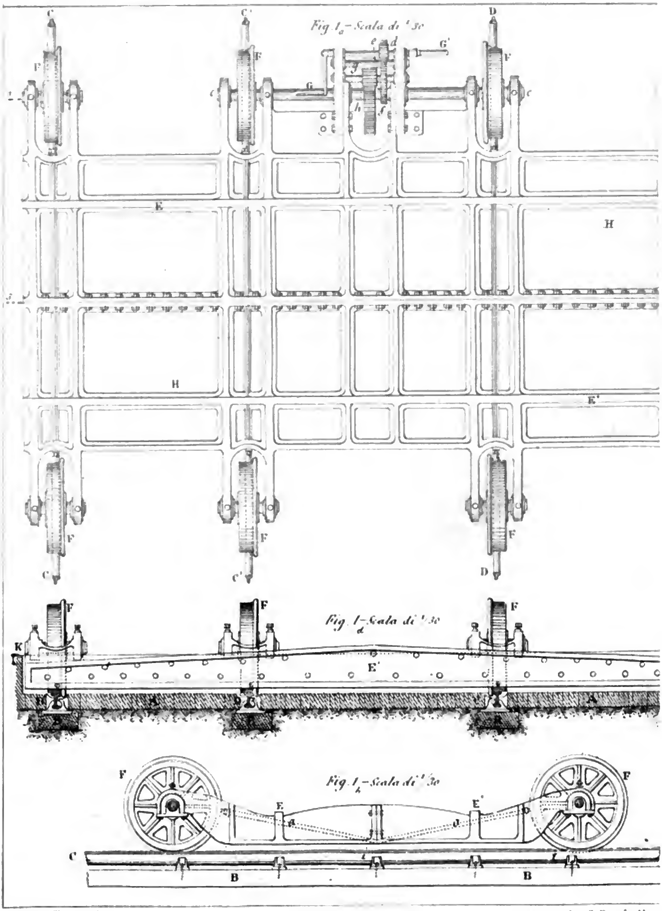


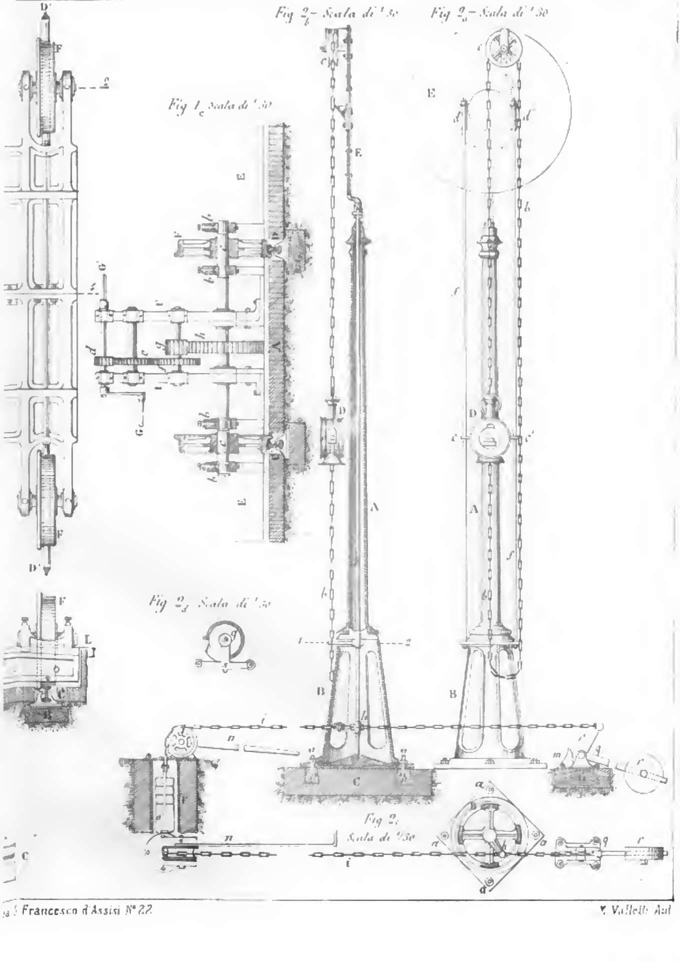
Fig. 4a Scala di 1/50

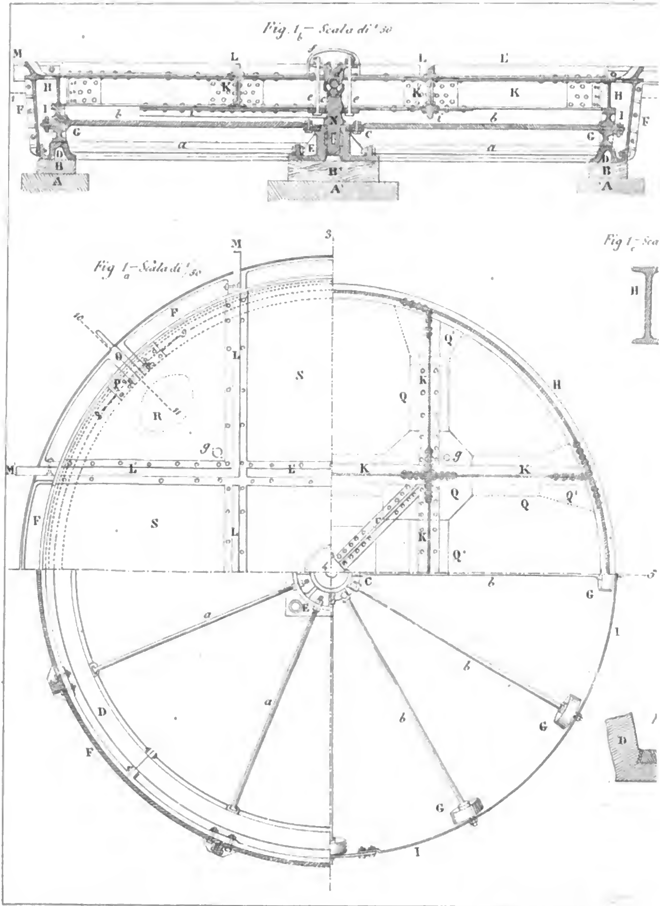




Leone Turina dis.

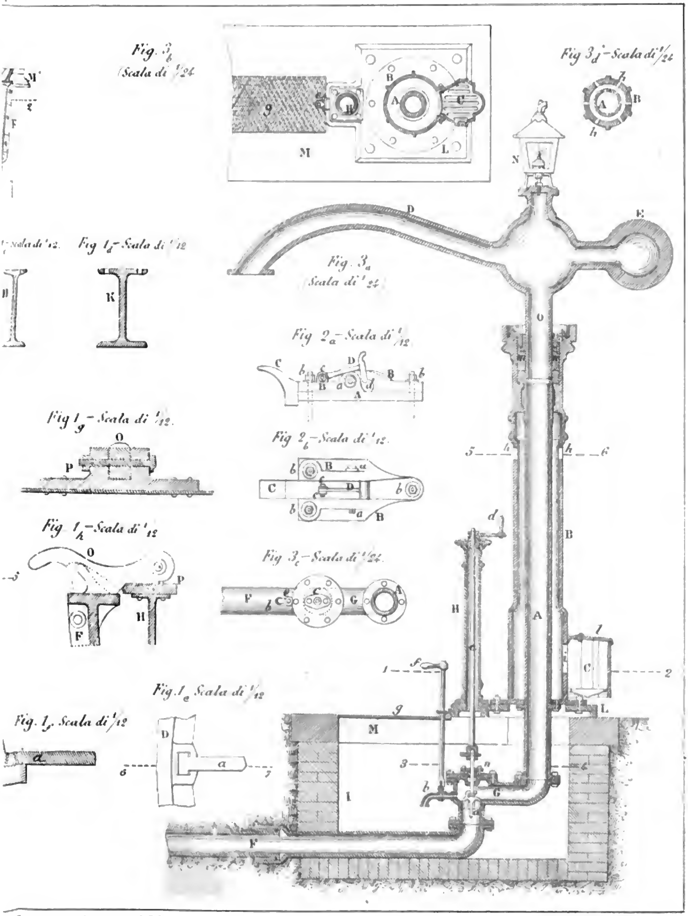
Torino Lit. P. Briola Via


Fig 1c Scala di 1/30
Fig 2b Scala di 1/30
Fig 2a Scala di 1/30
Fig 2d Scala di 1/30
Fig 2c Scala di 1/30



Piovano Luigi dis.

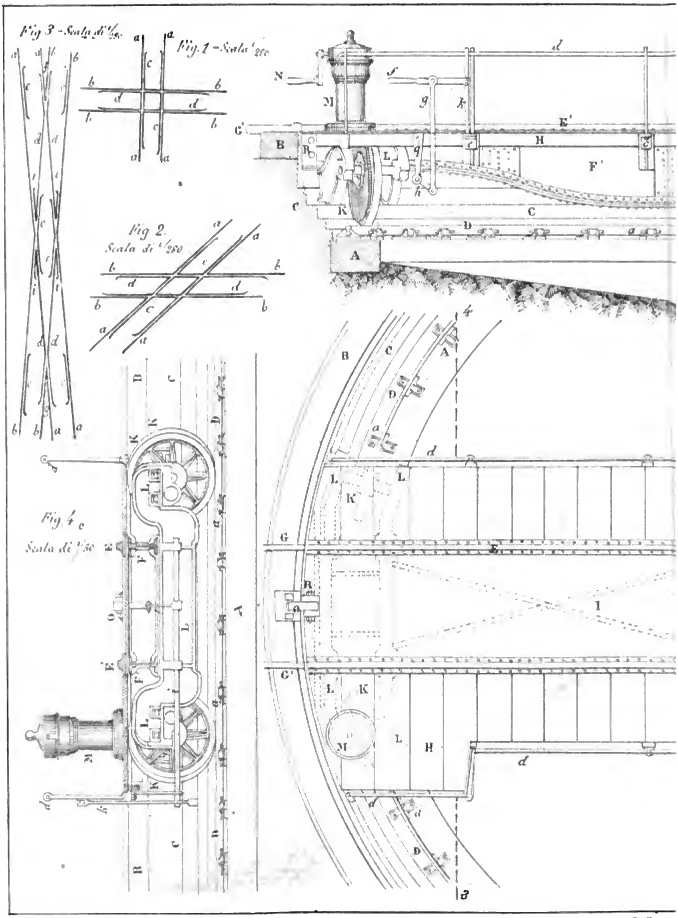
Lit. P. Briola Via S



S. Francesco d'Assisi. N° 22.

M Vallelli Aut

TRAVERSATE E PIATTA FORMA GIREVOLE DI DIAMETR



Lit P. Briola Via S. Fran

Fig. 4b - Scala di 1/50

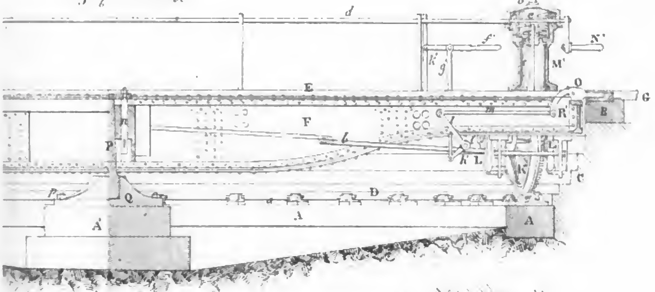
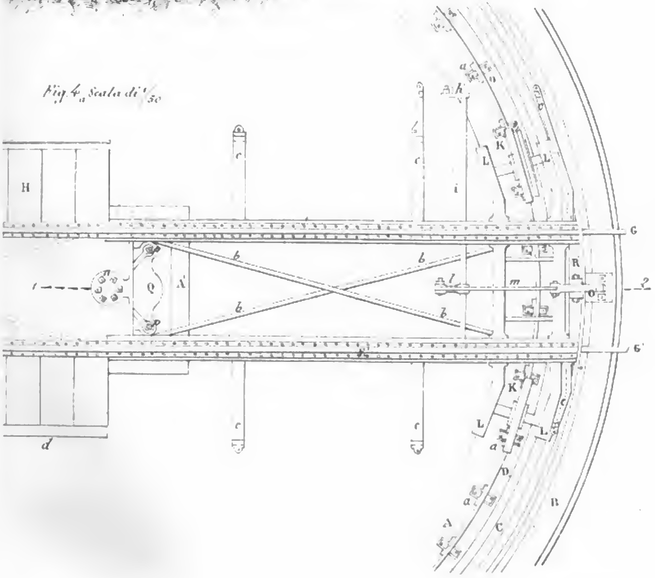
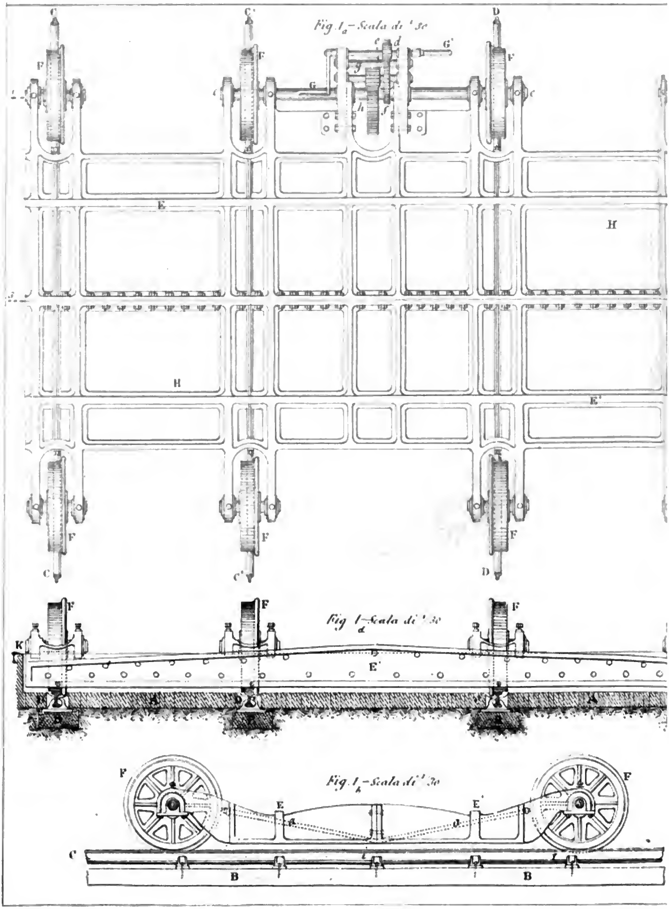


Fig. 4a Scala di 1/50



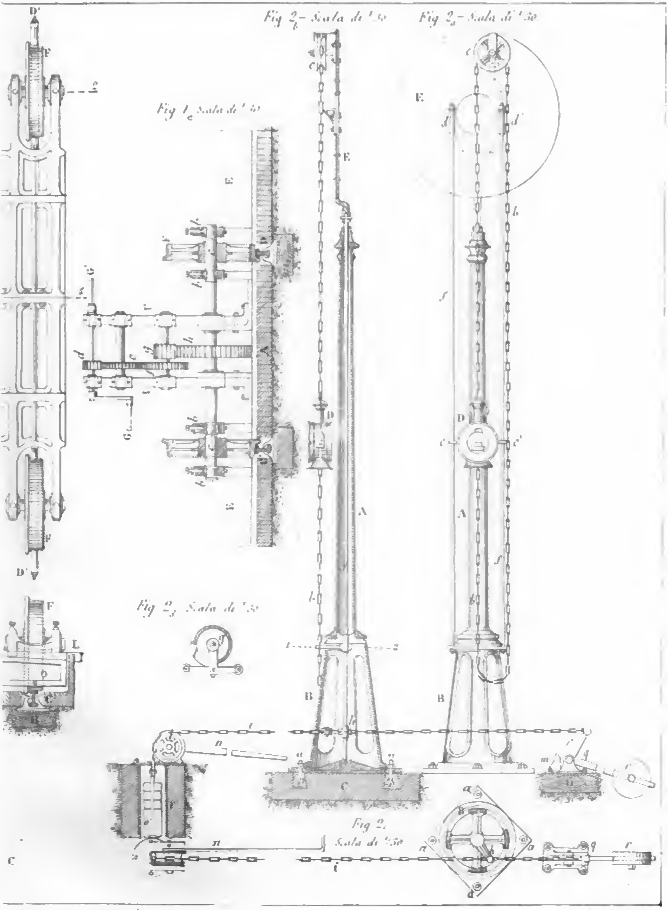
 CARRO DI SERVIZIO PER RIMESSA F. SE



Leone Turina dis.

Torino Lit. P. Briola Via S

"GNALE A DISCO DELLE FERROVIE DELL' ALTA ITALIA **Tav. LIV**

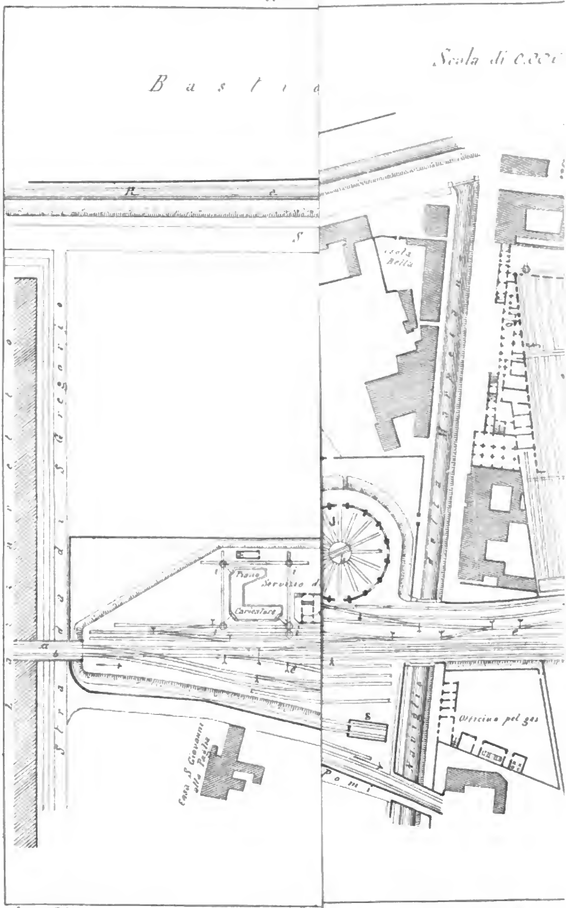


Francesco d'Assisi N° 22.

V. Vallelli dis.

Atlante di Macchine a vapore e ferrovie con leggenda.

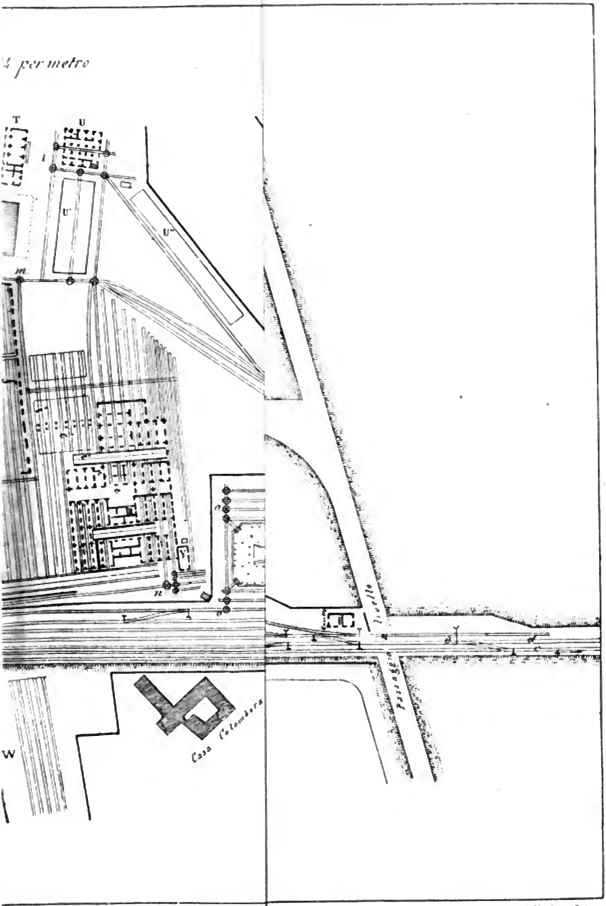
AZIONE CENTRAL



Luigi Polese dis *Torino Lit P Briola via S Fi*

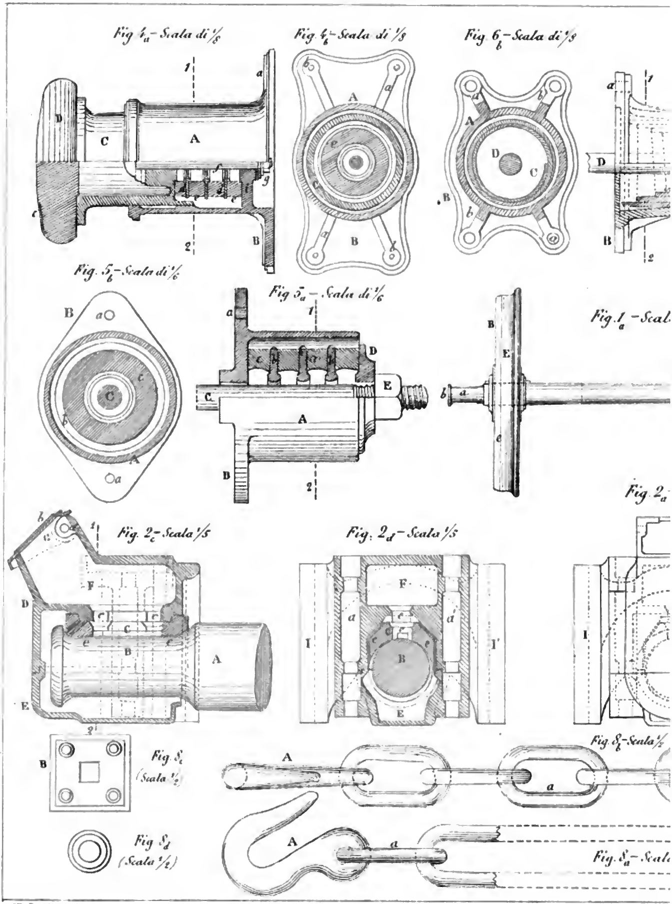
.E DI MILANO.

Tav.ª LV. e LVI



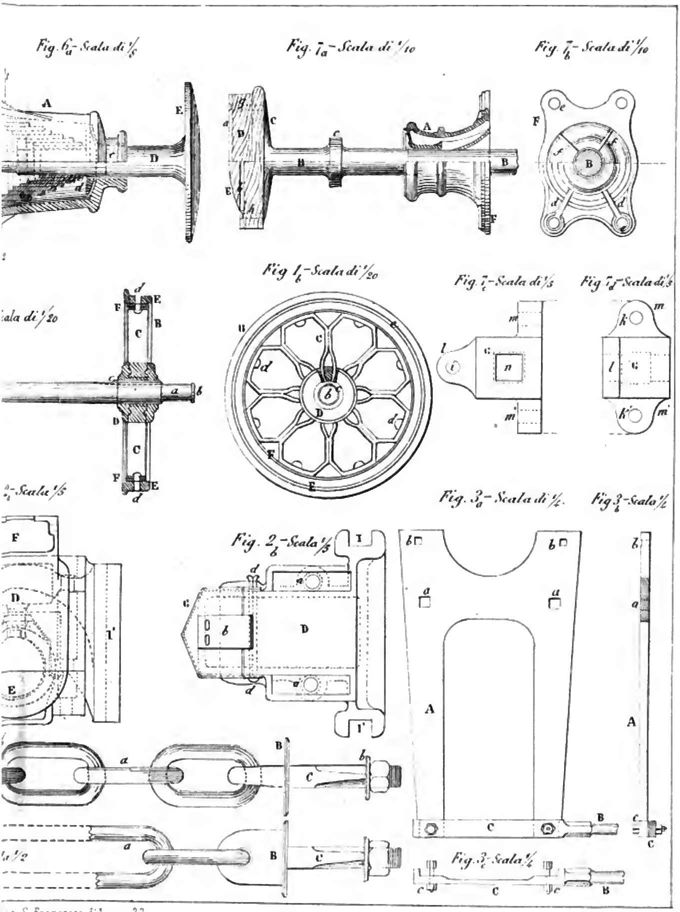
-ancesco d'Assisi N° 22.

N Valletti Lit.



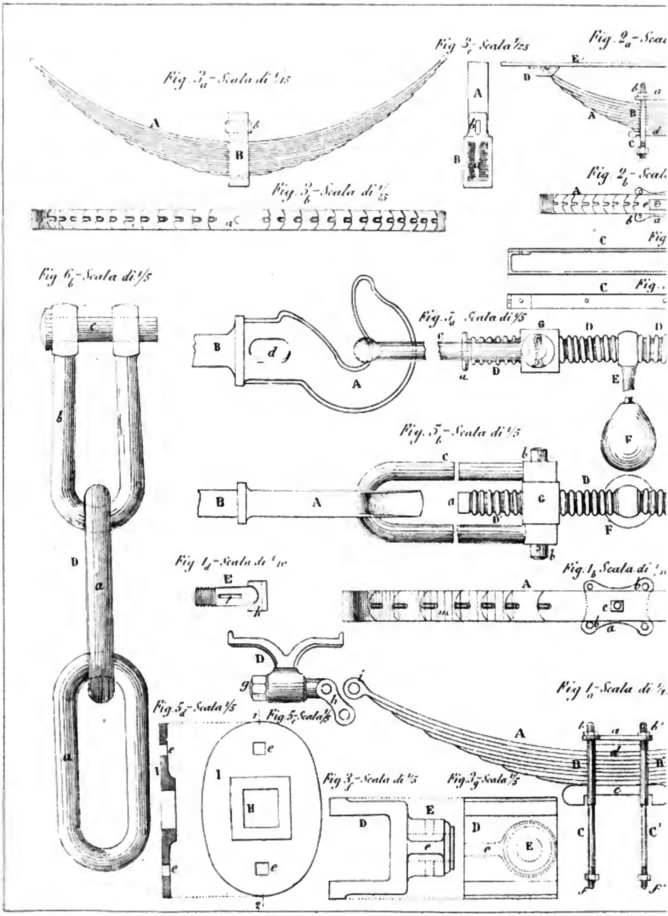
T. Biglio dis.

Torino Lit. P. Briola



...a S. Francesco d'Assisi 22

Guarente dis.


Fig. 3c - Scala 1/25
Fig. 2a - Scal
Fig. 3a - Scala di 1/15
Fig. 3b - Scala di 1/15
Fig. 2b - Scal
Fig. 6b - Scala di 1/5
Fig. 5a Scala di 1/5
Fig. 5b - Scala di 1/5
Fig. 1d - Scala di 1/10
Fig. 1b Scala di
Fig. 1a - Scala di
Fig. 5d - Scala 1/5
Fig. 5c Scala 1/5
Fig. 3f - Scala di 1/5
Fig. 3g - Scala 1/5

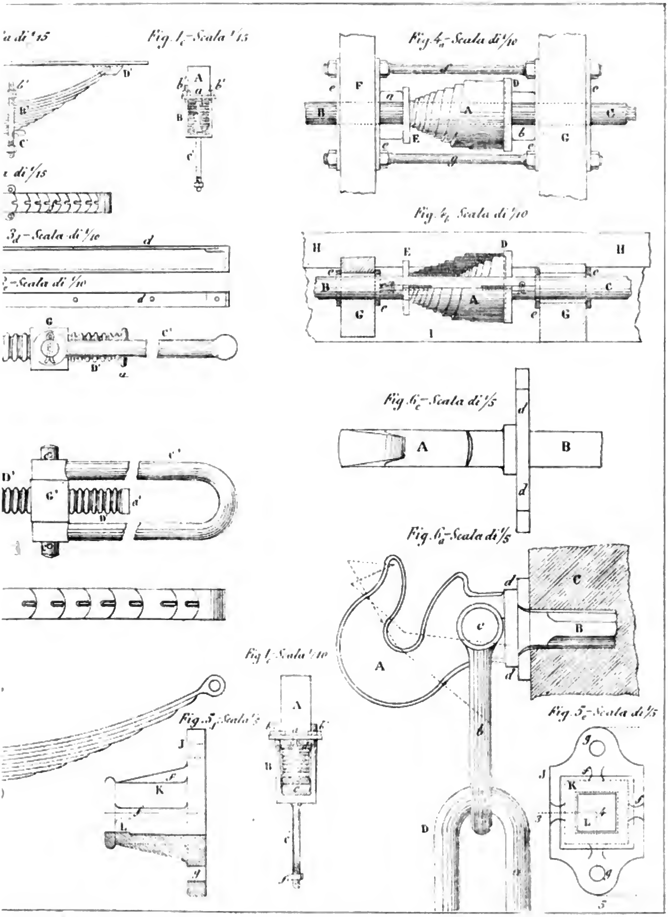

Fig. 4a - Scala di 1/10
Fig. 4b - Scala di 1/10
Fig. 6c - Scala di 1/5
Fig. 6a - Scala di 1/5
Fig. 5c - Scala di 1/5
A
B
C
D
E
F
G
H

Fig. 1$_a$ – Scala di 0,^{m}027 per 1^m

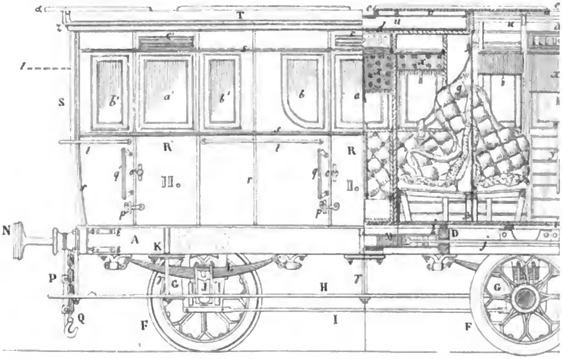
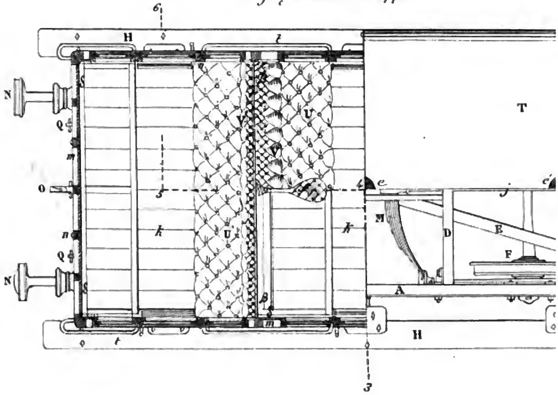


Fig. 1$_c$ – Scala di 0.^{m}027 per 1^m



Dionisotti N. Dis

Torino Lit. P. Briola V

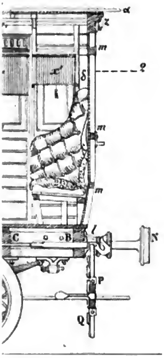
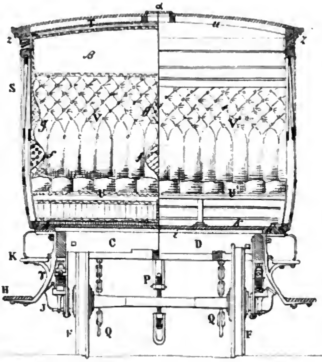


Fig. 1a - Scala di 0,m027 per 1m



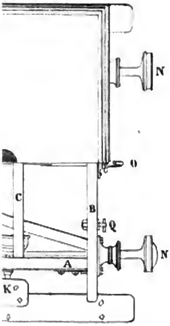
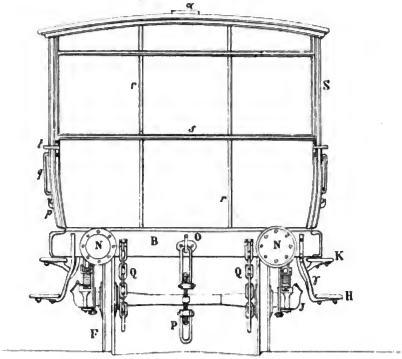


Fig. 1b - Scala di 0m027 per 1.m



a S Francesco d'Assisi 22 Quaranta Aut

CARROZZA DI TERZA CL

Fig. 1a — Scala di 0.m 027 per 1.m

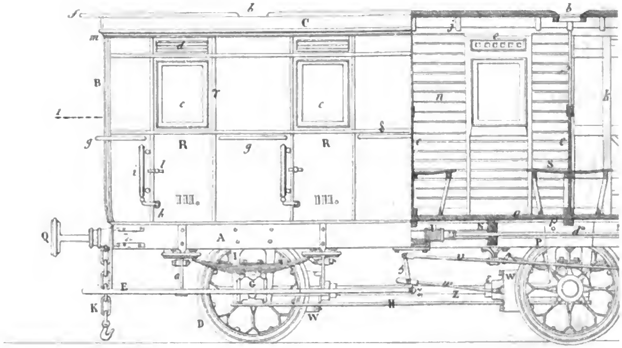
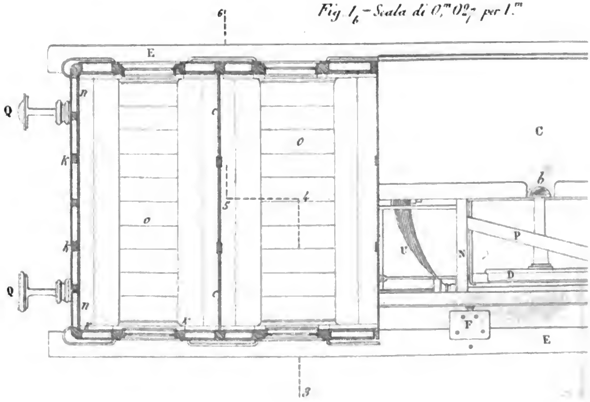


Fig. 1b — Scala di 0.m 027 per 1.m



G. B. Pagella dis.

Torino Lit. P. Briola Via S. Fr

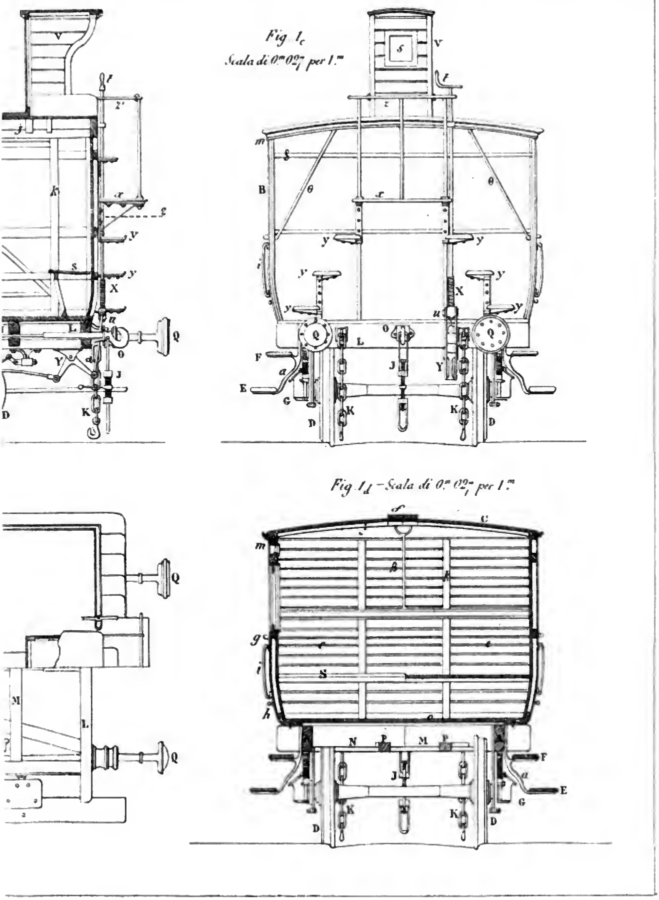


Fig. 1c
Scala di 0.m 02,7 per 1.m

Fig. 1d – Scala di 0.m 02,7 per 1.m

CARRO PER BAGAGLI DELLE

Fig. 1a – Scala di 0m 027 per 1m

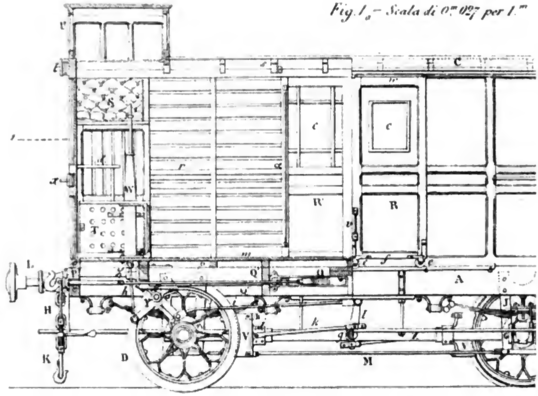
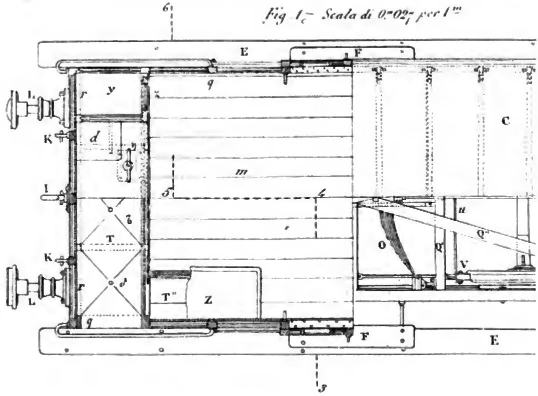
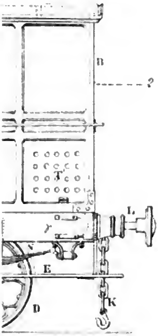


Fig. 1c – Scala di 0m 027 per 1m



Baccarelli Giovanni dis. · Lit. P. Bricola via S. F

Fig 1₄ – Scala di 0.m 027 per 1



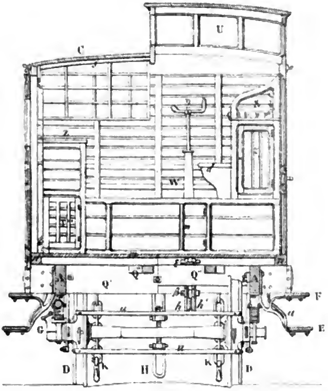
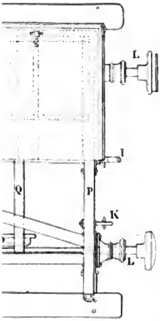
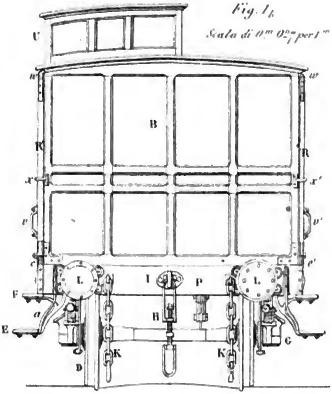
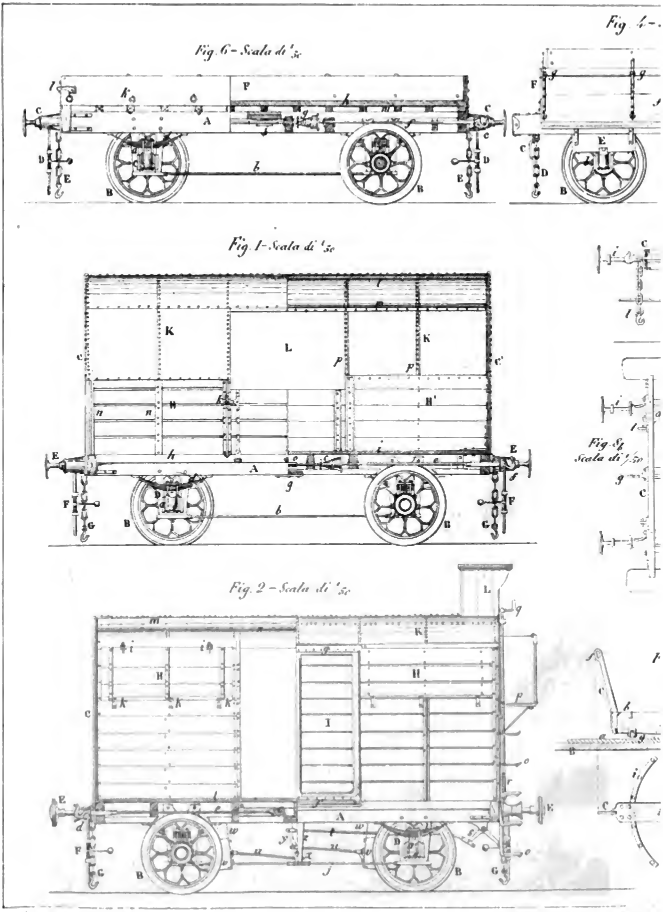


Fig. 1₆

Scala di 0.m 027 per 1.m

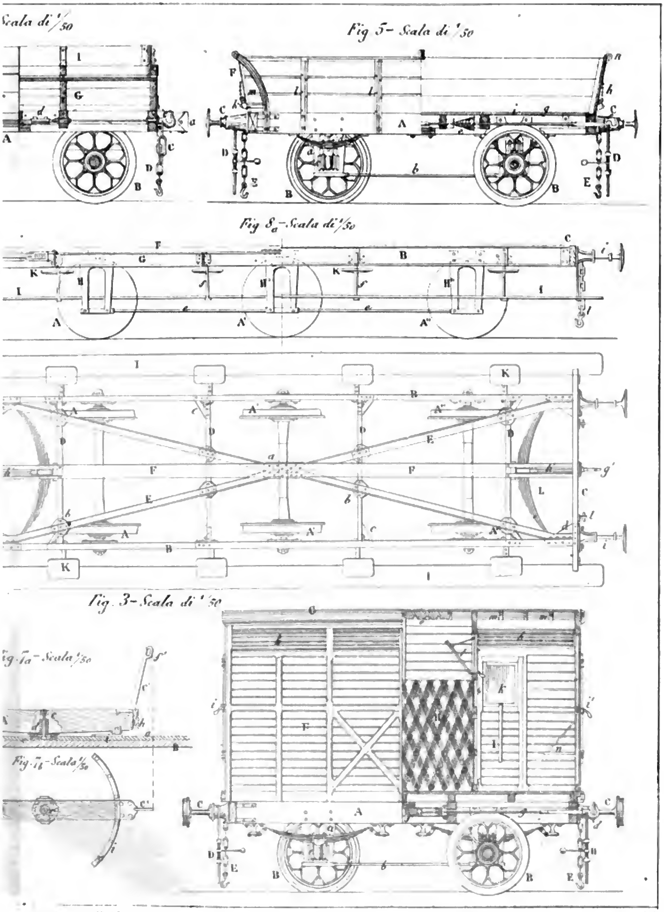






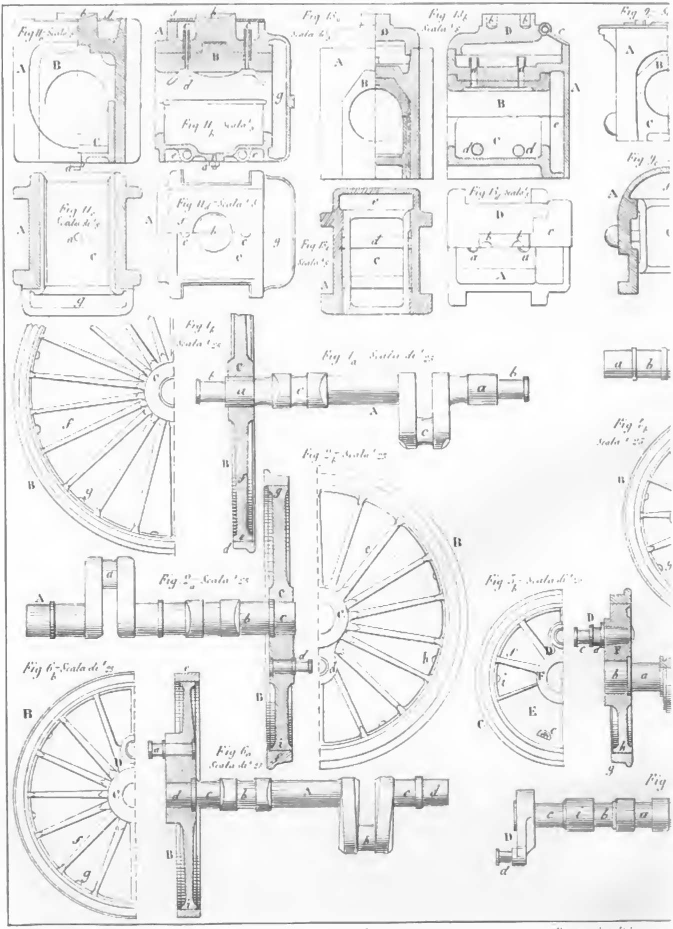
Luigi Campanella dis.

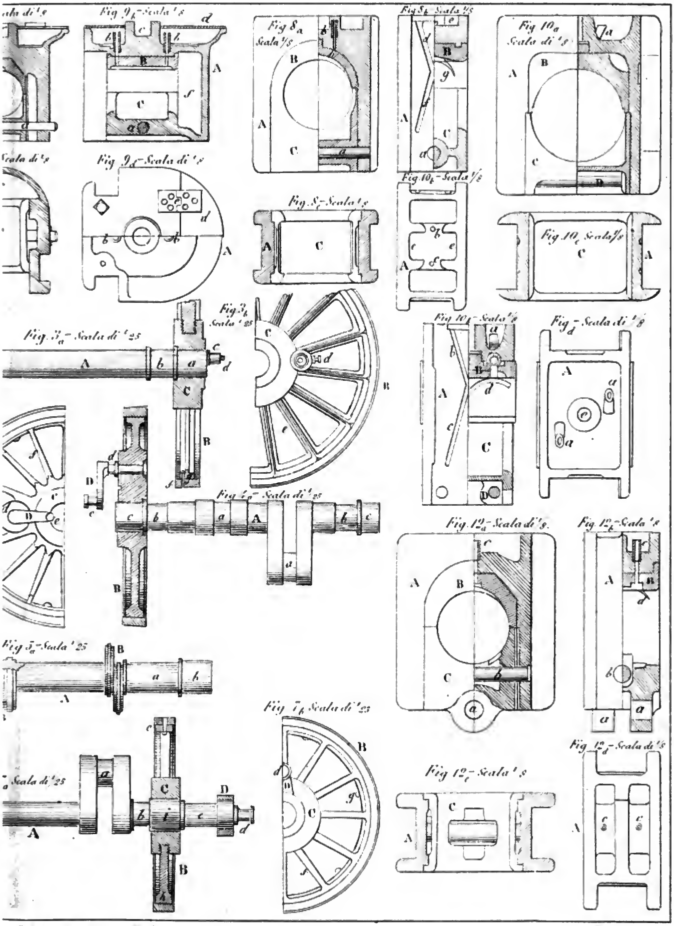
Torino ... P. Bruno lit.

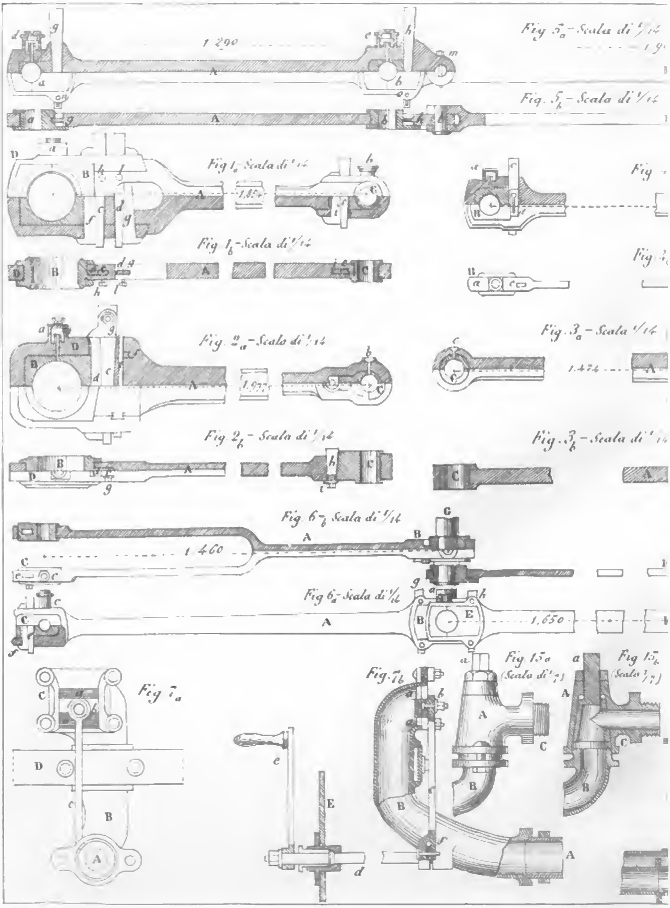


...ancesco d'Assisi N. 22

Quaranta Lit






Fig. 5a - Scala di 1/14
Fig. 5b - Scala di 1/14
Fig 1a - Scala di 1/14
Fig 1b - Scala di 1/14
Fig. 2a - Scala di 1/14
Fig. 2b - Scala di 1/14
Fig. 3a - Scala 1/14
Fig. 3b - Scala di 1/14
Fig. 6b Scala di 1/14
Fig 6a Scala di 1/14
Fig 7a
Fig. 7b
Fig 15a (Scala di 1/7)
Fig 15b (Scala 1/7)
1.290
1.460
1.650
1.474

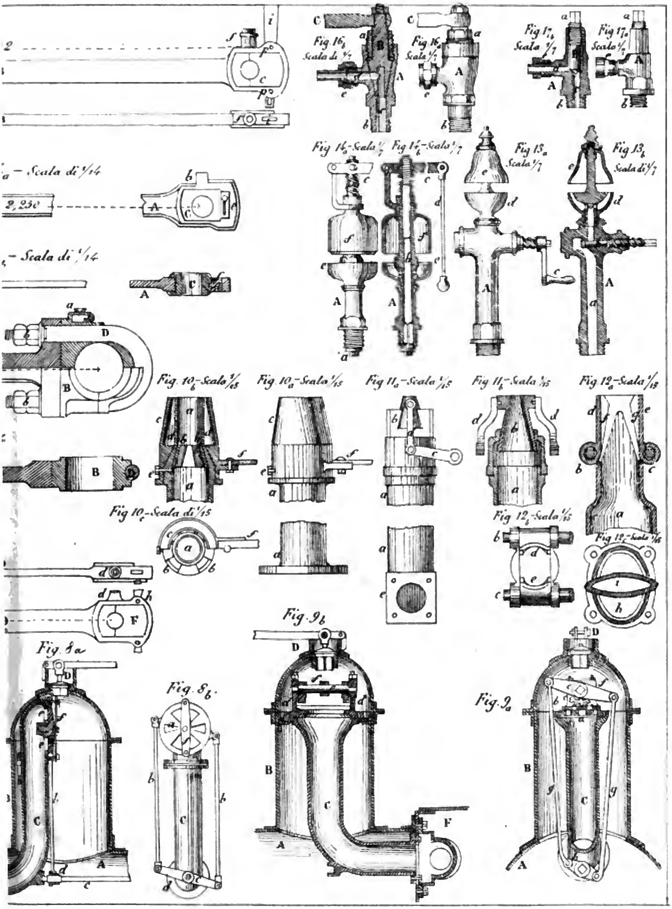


Fig. 16b Scala di 1/7
Fig. 16a Scala 1/7
Fig. 17b Scala 1/7
Fig. 17a Scala 1/7
Fig. 14a - Scala 1/7
Fig. 14b - Scala 1/7
Fig. 13a Scala 1/7
Fig. 13b Scala di 1/7
a - Scala di 1/14
2,250
- Scala di 1/14
Fig. 10b - Scala 1/15
Fig. 10a - Scala 1/15
Fig. 11a - Scala 1/15
Fig. 11b - Scala 1/15
Fig. 12a - Scala 1/15
Fig. 10c - Scala di 1/15
Fig. 12b - Scala 1/15
Fig. 12c - Scala 1/15
Fig. 9b
Fig. 8a
Fig. 8b
Fig. 9a

Fig. 1a - Scala di 1/15

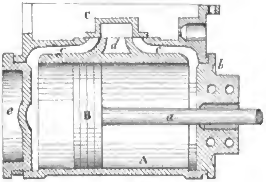


Fig. 1b - Scala di 1/15

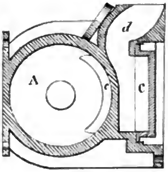


Fig. 1c - ...

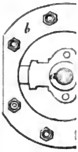


Fig. 2a - Scala di 1/15

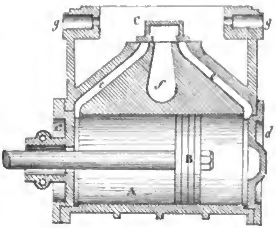


Fig. 2b - Scala di 1/15

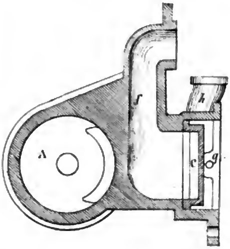


Fig ...

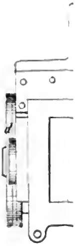


Fig. 3a - Scala di 1/15

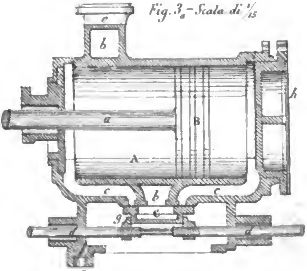


Fig. 3b - Scala di 1/15

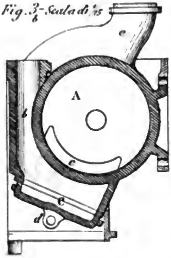
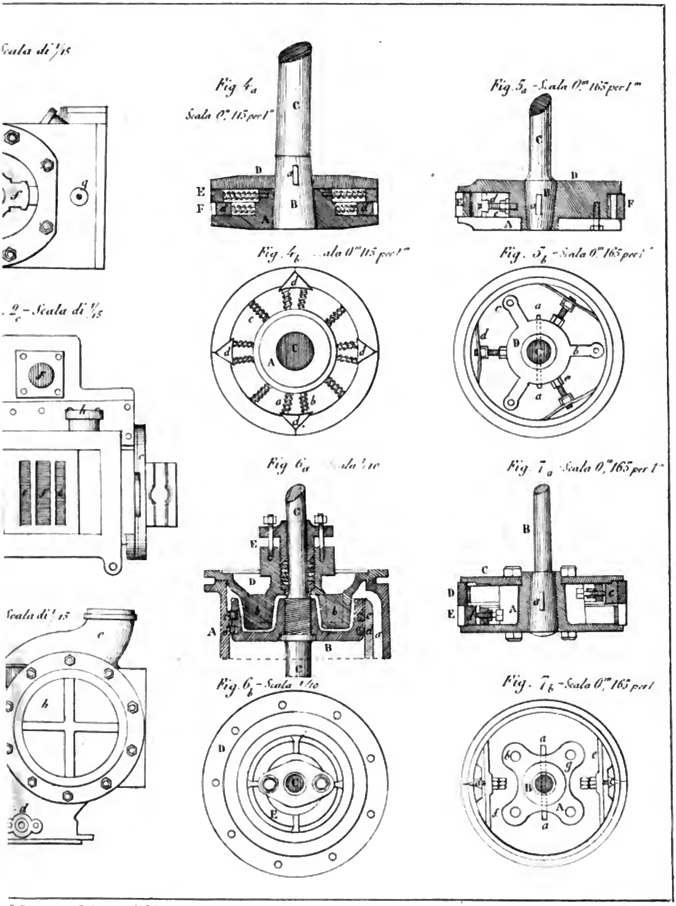


Fig. 3c - ...



Paganini Angelo dis. Lit P. Briola ...

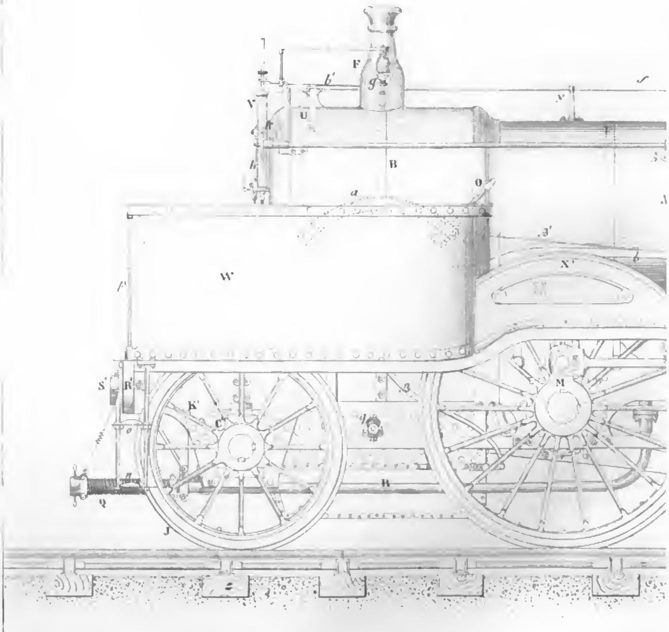


S. Francesco d'Assisi N.° 22

LOCOMOTIVE GOUIN A QUATTRO RUOTE A

Fig. 1a Elevazi

Scala

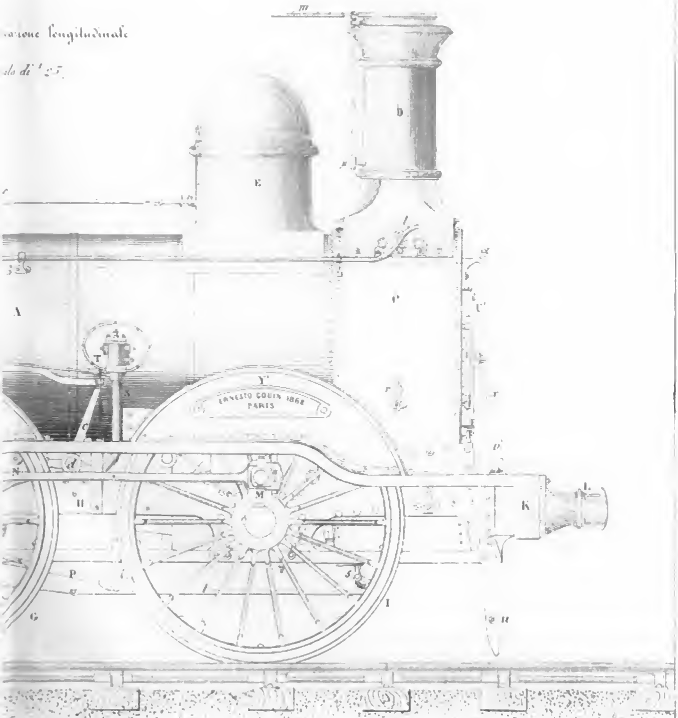


Viappiani

Lit P. Ricola Via S. Fra

...zione longitudinale

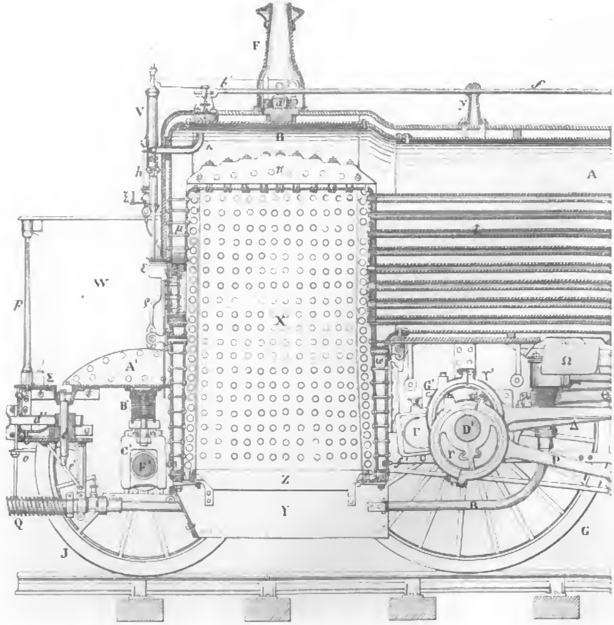
...lo di 1/25



...esco d'Assisi N° 22

Fig. 1ª - Sezione longi

(Scala di 1/25



Giulio Franco dis.

Lit. P. Briola Via S. Frances

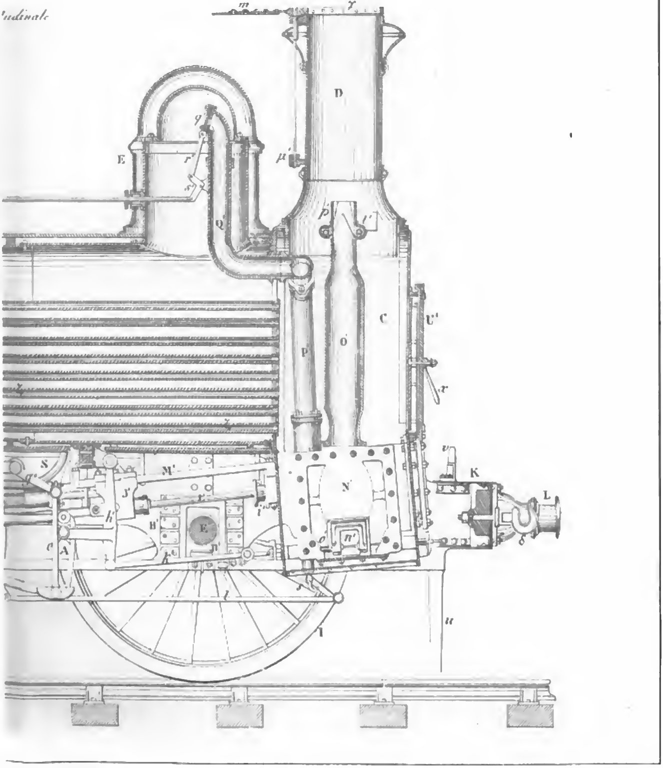
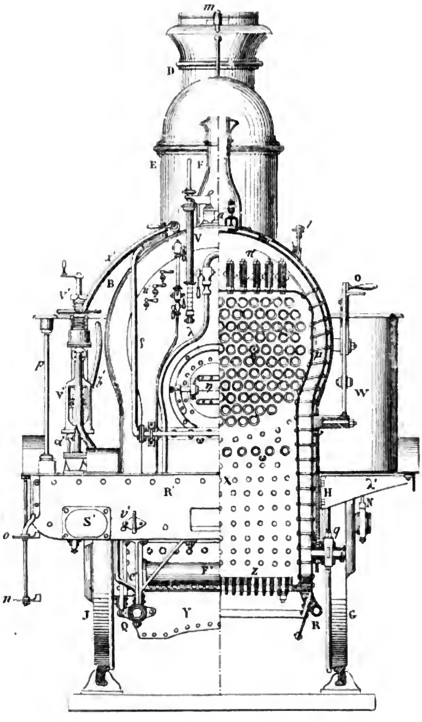

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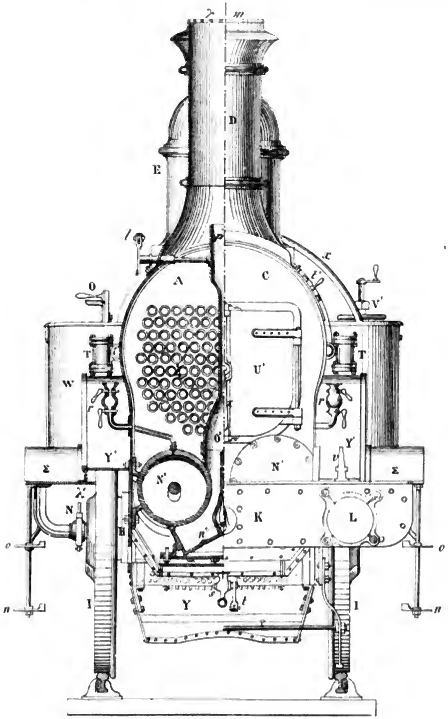
Fig. 1. – Elevazione posteriore e sezione trasversale sulla cassa del focolare (Scala 1/25

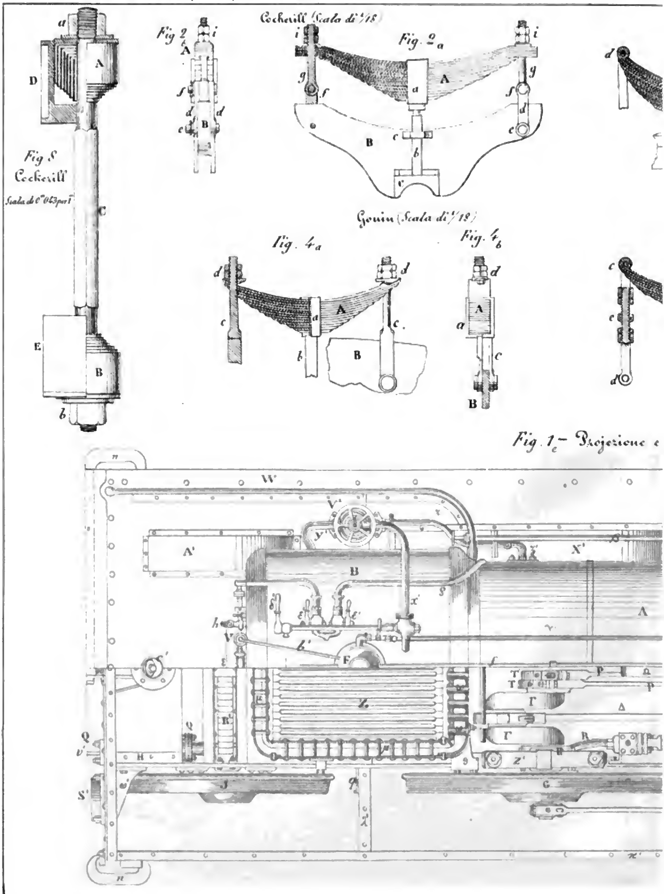


Onelo Giacomo dis.

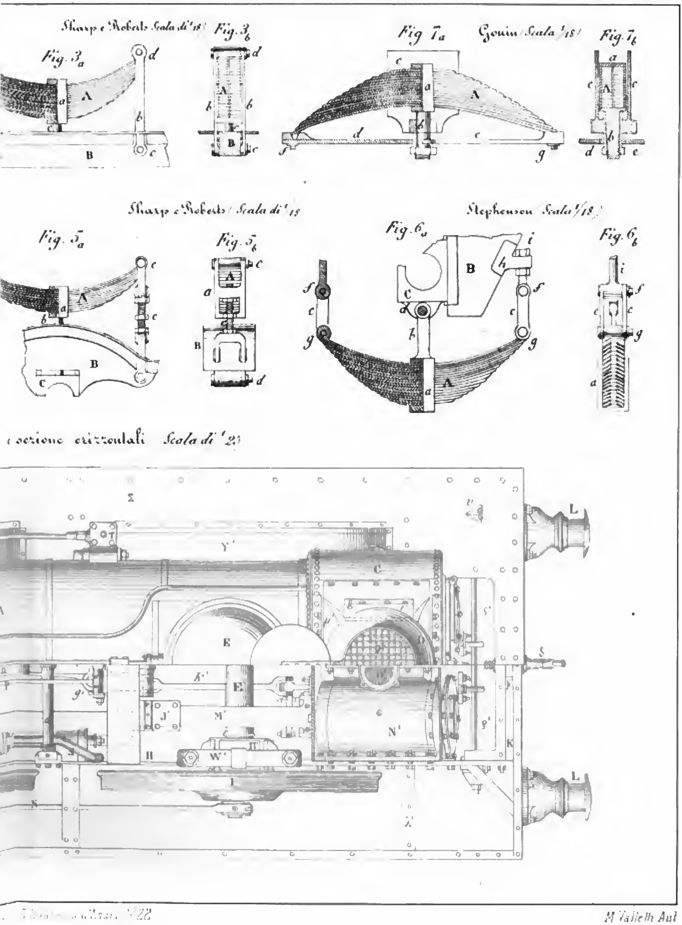
Lit. P. Bri[illegible]

Fig 1ª - Elevazione anteriore e sezione trasversale sulla cassa del fumo Scala 1/25




Fig 8
Cockerill
Fig 2b
Cockerill (Scala di 1/18)
Fig. 2a
Gouin (Scala di 1/18)
Fig. 4a
Fig. 4b
Fig. 1c – Projezione e

ALTA ITALIA; MOLLE DI SOSPENSIONE DELLE LOCOMOTIVE. **Tav. LXIX**



M. Vallelli Aut.

Fig. 1a – Sezione longitudinale (Scala di 1/33)

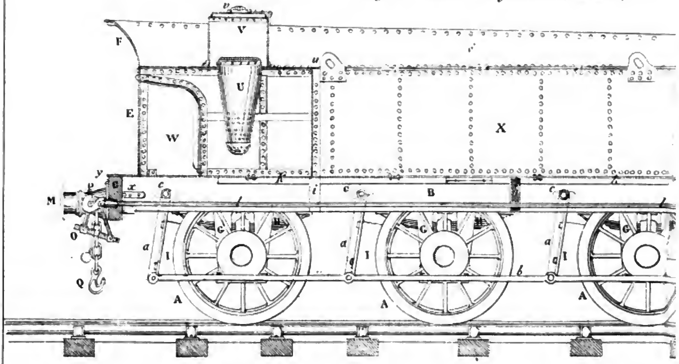
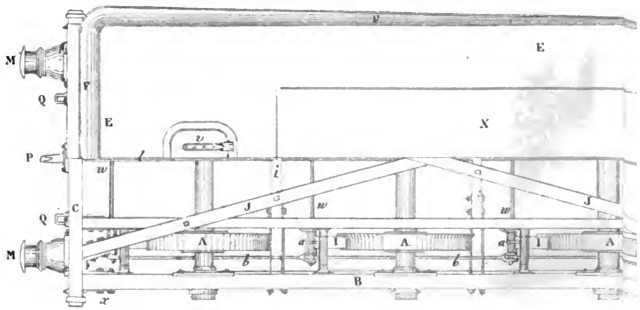
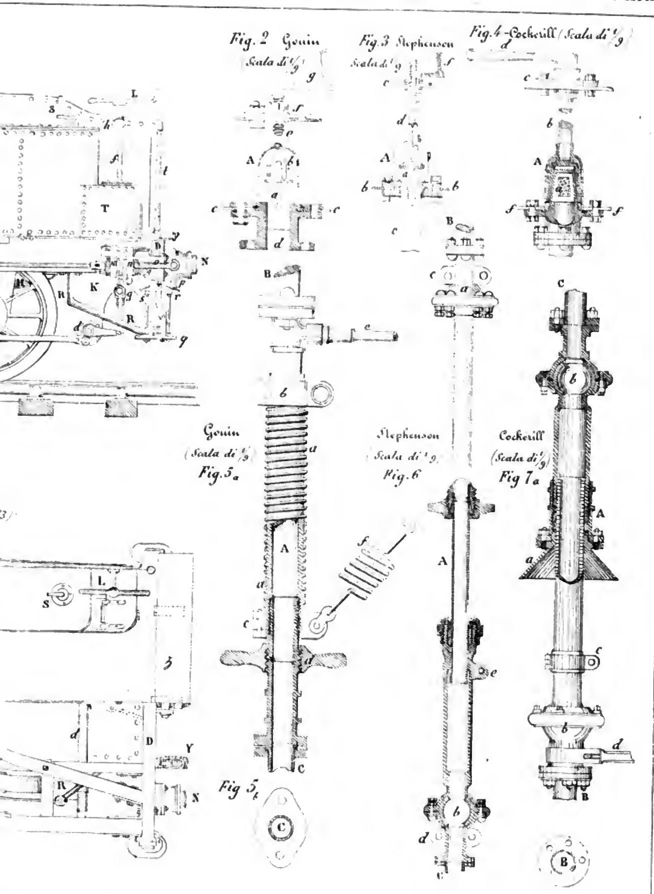


Fig. 1b – Projezione e Sezione orizzontali (Scala di 1/3



Vincenzo Rogna dis

Torino ... Via S. Fr



Vallotti Aut.

Fig 1 — Stephenson (1846)
Scala di 1/75

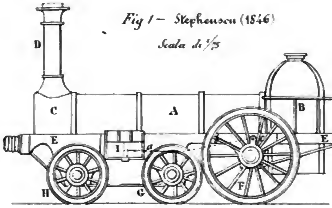


Fig. 2—

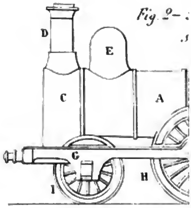


Fig 4 — Ansaldo (1855)
Scala di 1/75

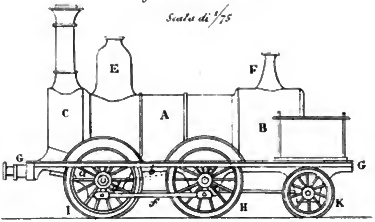


Fig. 5 Società S. Leonard a Liege (1
Scala di 1/75

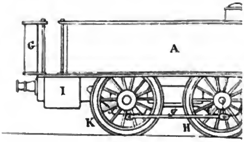


Fig. 7 — Cokerill (1854)
Scala di 1/75

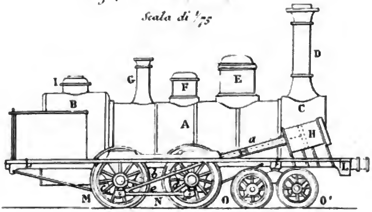
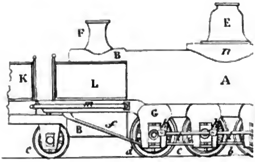


Fig. 8 — Beuguet (1861
Scala di 1/100



Demarie Giuseppe dis.

Torino Lit P Briola Via S.Fr

ig 2 - Sharp e Roberts (1853)

Scala di 1/75

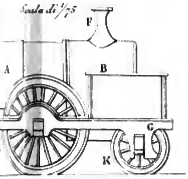
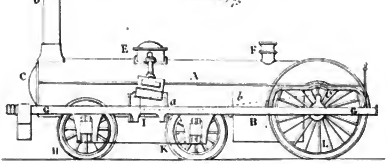


Fig. 3 - Derosne e Cail (sistema Crampton = 1849)

Scala di 1/75



1867

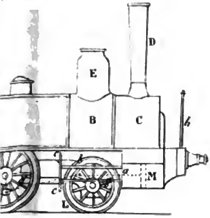
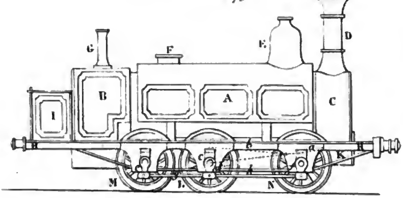


Fig. 6. - Stephenson (1851)

Scala di 1/75.



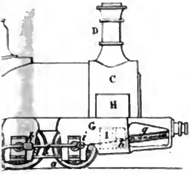
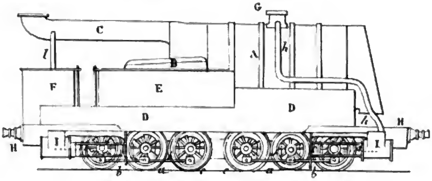
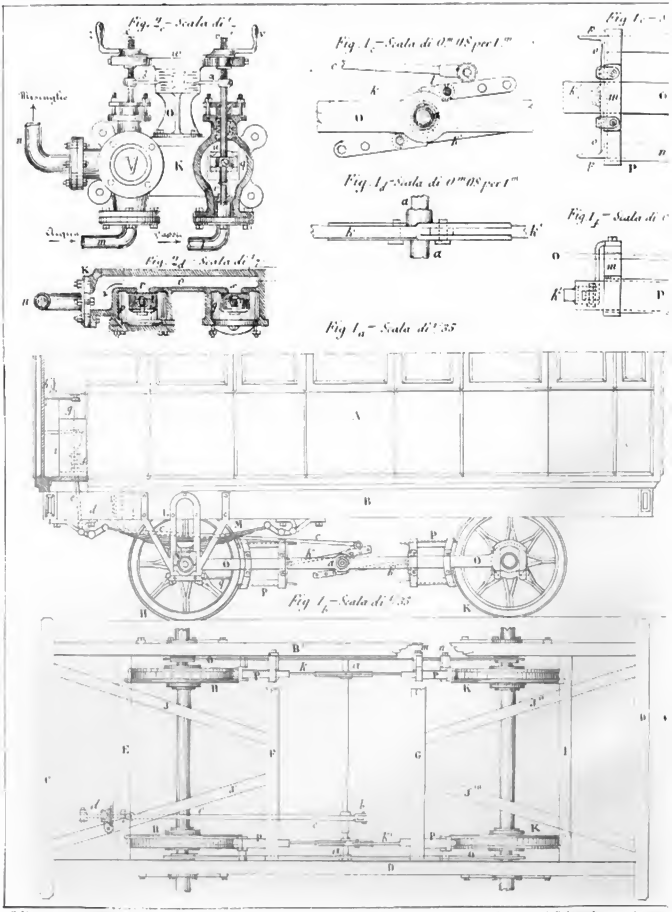
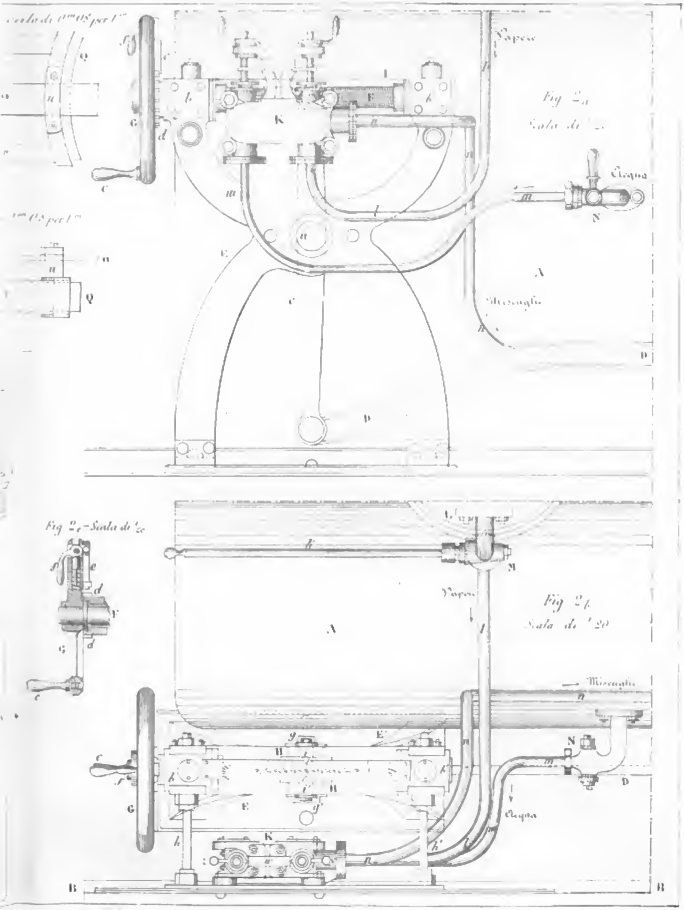


Fig 9 - Petiet (1862

Scala di 1/100.




Fig. 2c - Scala di 1/2
Fig. 1c - Scala di 0m 08 per 1m
Fig. 1d - Scala di 0m 08 per 1m
Fig. 2d - Scala di 1/2
Fig 1a - Scala di 1/35
Fig 1b - Scala di 1/35
Acqua
Vapore



Guarante Aut

Fig. 1_a – Scala di 0^m 10½ per 1^m

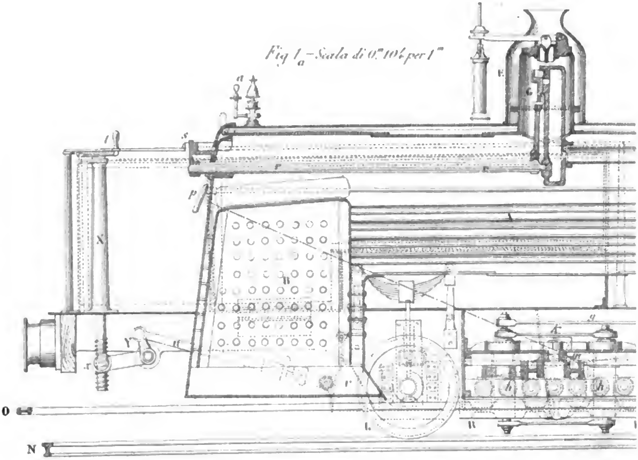
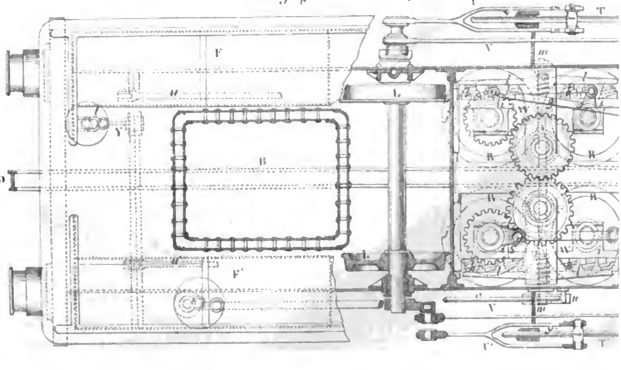
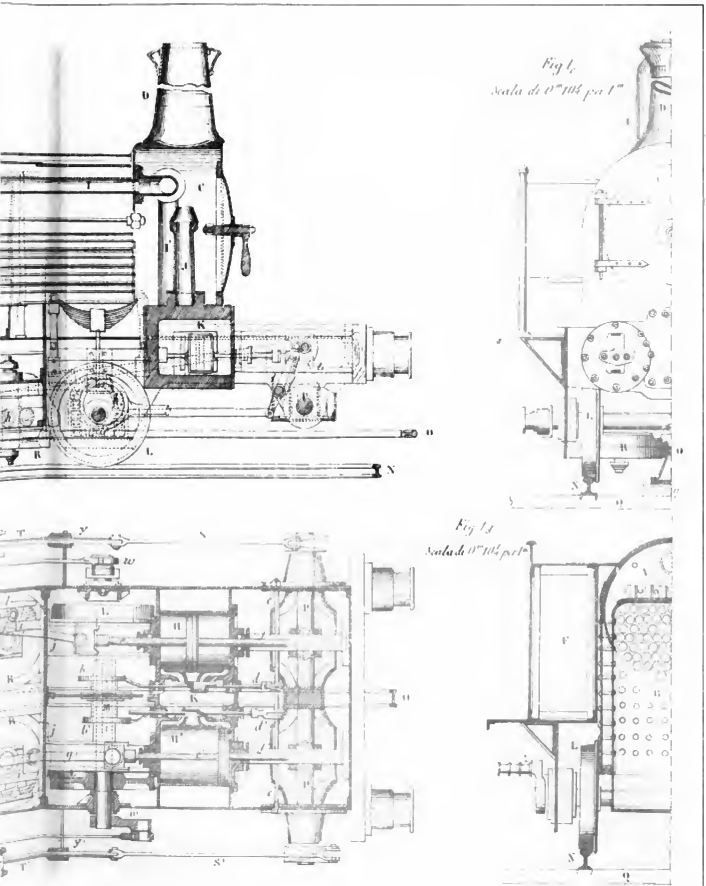


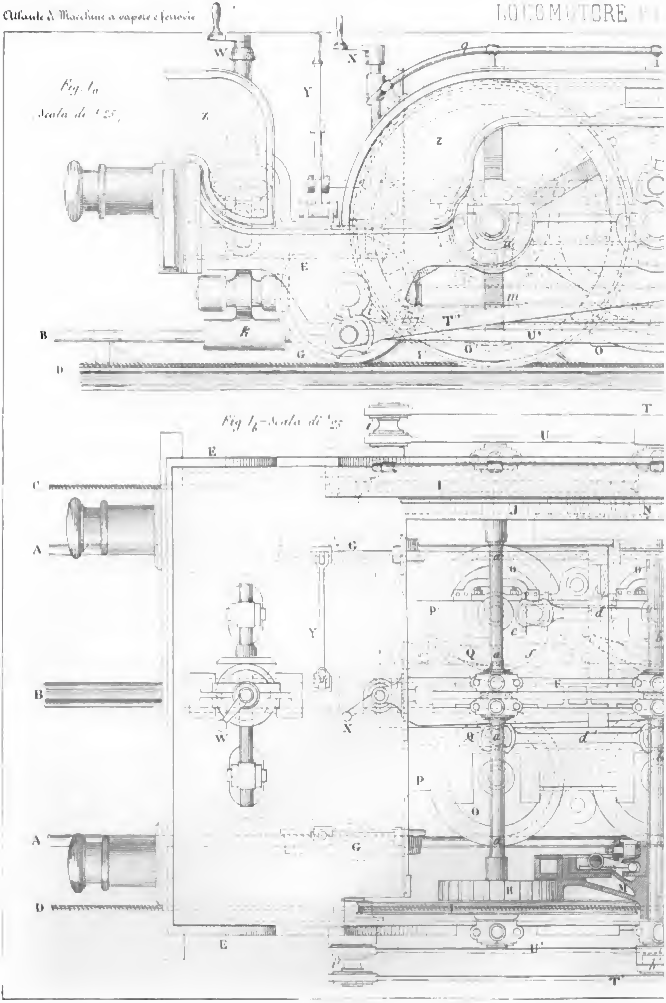
Fig. 1_b – Scala di 0^m 10½ per 1^m



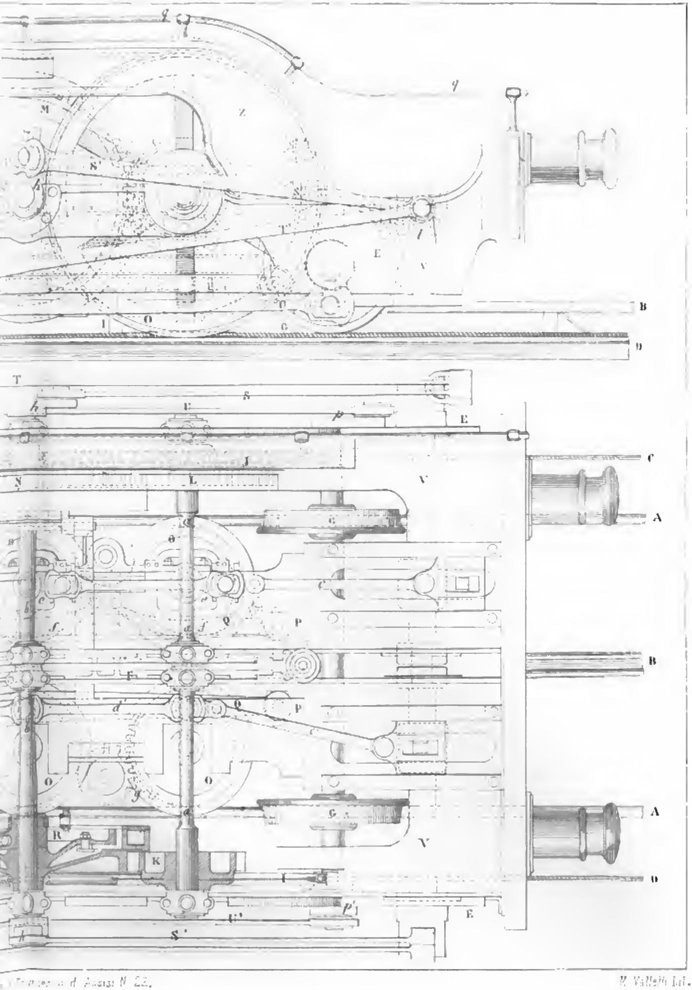
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